



SOMMARIO

A	NALISI STORICA	2
	FONTE D'INFORMAZIONE	2
	DATI RIASSUNTIVI	3
	PRINCIPALI RISULTATI DELL'ANALISI	8
	CASE HISTORIES: DIESEL OIL	
	CASE HISTORIES: DIESEL FUEL	32





ANALISI STORICA

FONTE D'INFORMAZIONE

L'analisi storica è stata condotta consultando Banche Dati costituite da archivi informatizzati. Gli archivi informatizzati permettono infatti la schedatura tematica delle informazioni di principale interesse per la ricerca e la classificazione di ciascuna case-history, consentendo così l'acquisizione di un considerevole numero di dati in un tempo breve. L'analisi incidentale storica è stata effettuata consultando la banca dati:

MHIDAS, Major Hazard Incident Data Service Sviluppata da SRD UKAEA su incarico di Major Hazard Assessment Unit dell' HSE (Health & Safety Executive) inglese 304 case histories di incidenti che hanno coinvolto il gasolio

Edizione Ottobre 2006 Pag. 2 di 66



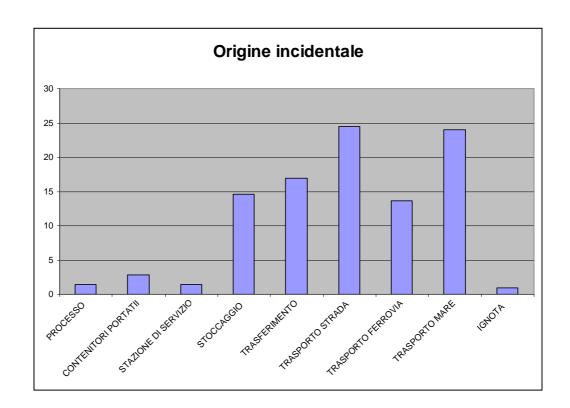


DATI RIASSUNTIVI

Sono riportate di seguito le informazioni relative all'origine, alla tipologia ed alle cause degli incidenti storicamente avvenuti in depositi di gasolio.

Sono altresì considerati gli eventi incidentali legati al trasporto della sostanza via mare, come avviene più spesso nello deposito Fox Petroli, ma anche via terra e per ferrovia.

ORIGINE DELL'INCIDENTE	0/0
PROCESSO	1,41
CONTENITORI PORTATILI	2,82
STAZIONE DI SERVIZIO	1,41
STOCCAGGIO	14,55
TRASFERIMENTO	16,90
TRASPORTO STRADA	24,41
TRASPORTO FERROVIA	13,62
TRASPORTO MARE	23,94
IGNOTA	0,94
TOTALE	100,00

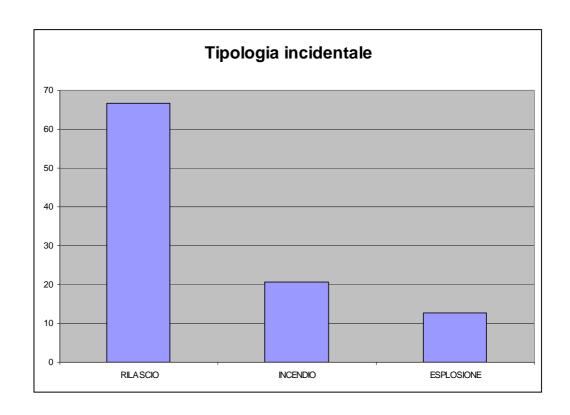


Edizione Ottobre 2006 Pag. 3 di 66





NATURA DELL'INCIDENTE	%
RILASCIO SENZA INNESCO	66,67
INCENDIO	22,66
ESPLOSIONE	12,68
TOTALE	100,00

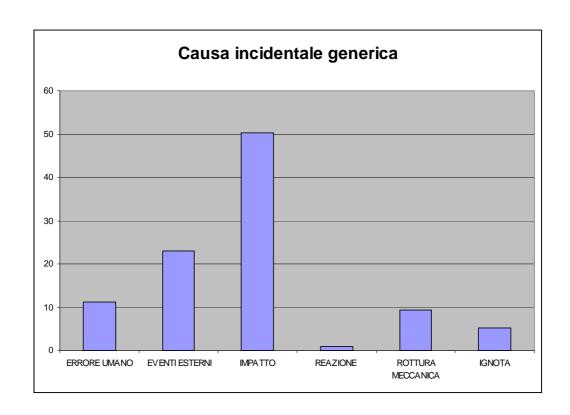


Edizione Ottobre 2006 Pag. 4 di 66





CAUSA GENERICA	%
ERRORE UMANO	11,27
EVENTI ESTERNI	23,00
IMPATTO	50,23
REAZIONE	0,94
ROTTURA MECCANICA	9,39
IGNOTA	5,16
TOTALE	100,00

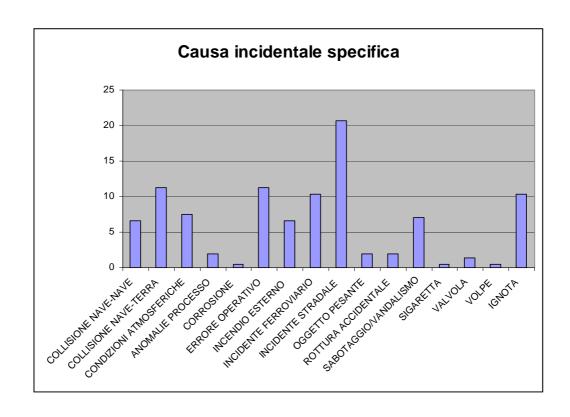


Edizione Ottobre 2006 Pag. 5 di 66





CAUSA SPECIFICA	0/0
COLLISIONE NAVE-NAVE	6,57
COLLISIONE NAVE-TERRA	11,27
CONDIZIONI ATMOSFERICHE	7,51
ANOMALIE PROCESSO	1,88
CORROSIONE	0,47
ERRORE OPERATIVO	11,27
INCENDIO ESTERNO	6,57
INCIDENTE FERROVIARIO	10,33
INCIDENTE STRADALE	20,66
OGGETTO PESANTE	1,88
ROTTURA ACCIDENTALE	1,88
SABOTAGGIO/VANDALISMO	7,04
SIGARETTA	0,47
VALVOLA	1,41
VOLPE	0,47
IGNOTA	10,33
TOTALE	100,00

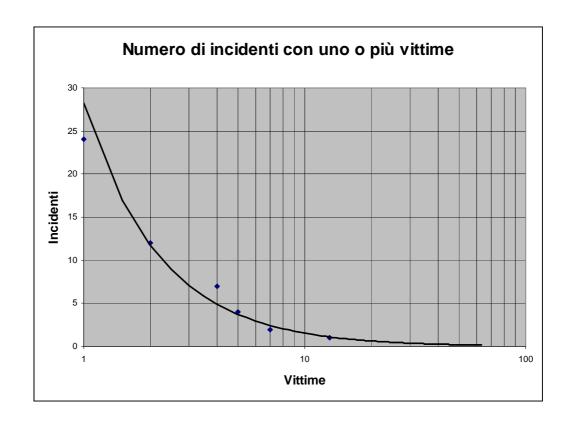


Edizione Ottobre 2006 Pag. 6 di 66





NUMERO VITTIME N	NUMERO INCIDENTI CON N O PIU' VITTIME
IGNOTO	
0	
1	24
2	12
4	7
5	4
7	2
13	1



Edizione Ottobre 2006 Pag. 7 di 66





PRINCIPALI RISULTATI DELL'ANALISI

1. L'origine che più frequentemente ha dato origine a rilascio di gasolio è il **trasporto veicolare** (61,97%) che può essere distinto in trasporto via:

mare 23,94 %
ferrovia 13,62 %
strada 24,41 %

Meno frequentemente si sono presentati rilasci coinvolgenti serbatoi di **stoccaggio** (14,55 %) e tubazioni di **trasferimento** (16,90 %).

- 2. Il più delle volte (66,67 %) il **rilascio** è avvenuto senza innesco. Tale tipologia incidentale si è presentata prevalentemente durante la fase di trasporto; talvolta il rilascio è avvenuto su strada (AN 6542, 11/11/93, THORNE SOUTHYORKSHIRE UK; AN 5529, 03/05/92, LOZERE FRANCE) o su ferrovia (AN 5961, 24/11/92, YAROSLAVL RUSSIA CIS; AN 3770, 01/02/89, CALGARY ALBERTA CANADA). Spesso il trasporto via nave ha dato luogo a collisione tra navi (AN 8082, 30/06/96, WAN DO SOUTH COREA; AN 8070, 21/06/96, NR NEW ORLEANS LOUISIANA, USA) o ad urto della nave contro la banchina (AN 8358, 18/03/97, RIVER RHINE GERMANY; AN 8269, 15/12/96, ARABIAN GULF).
- 3. L'incendio (22,66 %) è stato causato spesso da eventi esterni quali fenomeni di sabotaggio (AN 6838, 23/04/94, JOHANNESBURG, SOUTH AFRICA), fulmini (AN 7386, 08/03/95, FREEPORT BAHAMAS) ed incendio esterno (AN 2584, 04/12/57, MERAUX LOUISIANA). Talvolta la causa è stata un incidente ferroviario (AN 5116, 11/09/91, ALDINGBOURNE SUSSEX UK) anche coinvolgente altre sostanze pericolose (benzina: AN 6654, 09/01/94, LESANTHE ZIMBAWE; acrilonitrile: AN 3214, 20/08/71, HUNTINGTON OHIO USA).
- 4. Anche l'esplosione (12,68 %) si è verificata spesso per incidente ferroviario o stradale, talvolta per coinvolgimento di altre sostanze pericolose (esplosivi: AN 6011, 09/01/93, MANDAL NORDWAY; gasolina e petrolio: AN 3414, 21/12/85, NAPLES ITALY; ossigeno: AN 3175, 12/06/88, DANBURY ESSEX UK).
- 5. Anche se per diversi eventi incidentali non è disponibile il numero delle persone coinvolte, dai dati valutati si evince un bassa mortalità legata al rilascio del gasolio.

Edizione Ottobre 2006 Pag. 8 di 66





CASE HISTORIES: DIESEL OIL

1a)	AN: 9817
ME:	B; Y
CR:	AEA
DA:	27/09/1999
LO:	MALAYSIA; PORT DICKSON
MN:	GASOLINE
MH:	FI fire
MC:	1270
IT:	EXPLODE explosion-; FIRE fire-
OG:	TRANSPORT transport-; SHIP
NP:	Killed: 1; Injured: 1; Evacuated:
AB:	ONE KILLED AND ANOTHER
INUREI	O IN FIRE ON TANKER AT REFINERY
JETTY V	WITH 3800m3 CARGO. EXPLOSION IN
FOREP	EAK TANK BLEW 10M
CIRCUN	MFERENCE HOLE IN TOP DECK.
TANKE	R WAS ON HER WAY OUT OF JETTY
AFTER	HAVING LOADED 500te GASOLINE
AND 33	26te DIESEL OIL.
RA:	2
ID:	19990927
IY:	1999
KR:	1
IR:	1
1b)	AN: 9817
ME:	A-; Y
CR:	AEA
DA:	27/09/1999
LO:	MALAYSIA; PORT DICKSON
MN:	DIESEL OIL
MH:	FI fire
MC:	1223
IT:	EXPLODE explosion-; FIRE fire-
OG:	TRANSPORT transport-; SHIP
N III	T7'11 1 4 T 1 1 4 T 1

Killed: 1; Injured: 1; Evacuated: --

JETTY FOREI CIRCU TANK! AFTER AND 3 RA: ID: IY:	ONE KILLED AND ANOTHER ED IN FIRE ON TANKER AT REFINERY WITH 3800m3 CARGO. EXPLOSION IN PEAK TANK BLEW 10M MFERENCE HOLE IN TOP DECK. ER WAS ON HER WAY OUT OF JETTY R HAVING LOADED 500te GASOLINE 326te DIESEL OIL. 2 19990927 1999
KR:	1
IR:	1
110	•
2)	AN: 9596
ME:	N 9370
CR:	AEA
DA:	07/02/1999
LO:	
MN:	DIESEL OIL
MH:	FI fire
MC:	1223
IT:	CONTREL continuous-release
OG:	TRANSFER loading,-unloading; SHIP
IS:	NONIGNITE non-ignition-of-flammable-
materia	
AB:	A TANKER SPILT AN UNSPECIFED
	NT OF DIESEL OIL INTO THE
	OUR DURING LOADING OPERATIONS.
RA:	2
	19990207
IY:	1999
3)	AN: 9591
ME:	N
CR:	AEA
DA:	04/02/1999
PD:	U urban

LO:	UK; GLOUCESTERSHIRE;
GLOUCI	
MN:	DIESEL FUEL
MH:	FI fire
MC:	1223
IT:	CONTREL continuous-release
OG:	DOM/COM domestic-or-commercial;
	ANK small-commercial-tank
GC:	HUMAN human-factor
SC:	OVERFILL overfilling
AB:	A HEATING SYSTEM FOR A PUB WAS
	LLED WITH DIESEL OIL. THE FUEL
	TO LEAK OUT NEAR A MOTOR
	FREEZER. THE FIREBRIGADE USED
	O MOP UP THE SPILL.
RA:	1
ID:	19990204
IY:	1999
4)	AN: 9238
ME:	N 9250
CR:	AEA
DA:	07/09/1998
LO:	UK; WEST SUSSEX; SHOREHAM
MN:	DIESEL
MH:	FI fire
MC:	1223
IT:	CONTREL continuous-release
OG:	STORAGE storage-; ASVESSEL storage-
vessels,-at	tmospheric-pressure
GC:	HUMAN human-factor
SC:	SABOTAGE sabotage-or-vandalism
QY:	405.00
IS:	NONIGNITE non-ignition-of-flammable-
materials	U
KW:	COMPANY Firm or company involved;
TIMING	Timing of the incident, time of day, shift,
	, lunch break, etc.
AB:	450m3 OF DIESEL OIL WAS LOST
FROM A	STORAGE TANK DURING A

NP:



19980404

1998

5

ID:

IY:

QR:

FOX Petroli S.p.A. – Deposito Costiero di Pesaro Rapporto di Sicurezza Appendice B – Analisi storica



VESSEL RESCUED, CREW OF TANKER

19971121

RA:

ID:

UNINJURED. NO POLLUTION REPORTED.

SC: HVYOBJECT heavy-object ROBBERY, SOME LEAKED INTO A NEARBY CANAL THREATENING A WILDLIFE AN: 8965 OY: 6) ME: Ν IS: NONIGNITE non-ignition-of-flammable-RESERVE AND 250m3 WAS CONTAINED BY THE BUND. LOCK GATES WERE SHUT. A CR: AEA materials 05/04/1998 BOOM AND SAND DEPLOYED. DA: AB: TUG PUSHING A BARGE SANK RA: 2 LO: UK: TAYSIDE: GUILDTOWN RUPTURING AN UNDERWATER PIPELINE. ID: 19980907 MN: DIESEL OIL UNCLEAR WHETHER RUPTURE CAUSED BY IY: 1998 MH: FI fire TUG OR DURING SALVAGE OPERATIONS. OR: MC: 1223 405 MOST OF SPILLED OIL DISPERSED. ONLY IT: CONTREL continuous-release SHORELINE IMPACT WAS AN AREA OF STORAGE storage-; ASVESSEL storage-OG: MARSH. CAUSE OF SINKING UNKNOWN. 5) AN: 9075 vessels,-atmospheric-pressure RA: 5 ME: Ν EXTERNAL external-events ID: 19980106 GC: CR: AEA SC: SABOTAGE sabotage-or-vandalism IY: 1998 DA: 04/04/1998 OY: OR: 14 5.40 PD: R rural IS: NONIGNITE non-ignition-of-flammable-LO: UK; TAYSIDE; GUILDTOWN materials MN: DIESEL FUEL AB: 6000 LITRES DIESEL FUEL LEAKED 8a) AN: 8847 B; Y MH: FI fire INTO A TRIBUTARY OF THE RIVER TAY ME: MC: 1223 FROM A TANK IN A TRANSPORT YARD. CR: AEA IT: CONTREL continuous-release INVESTIGATORS FOUND THAT AN DA: 21/11/1997 STORAGE storage-; PIPEWORK OG: EXTERNAL PIPE ON THE TANK HAD BEEN LO: GREECE; CHIOS ISLAND QY: MN: 5.40 DAMAGED AND POLICE BELIEVED SPILL GASOLINE IS: NONIGNITE non-ignition-of-flammable-WAS DELIBERATE. MH: FI fire RA: MC: 1270 materials 1 TRANSPORT transport-; SHIP KW: COMPANY Firm or company involved; ID: 19980405 OG: TIMING Timing of the incident, time of day, shift, IY: 1998 GC: IMPACT impact-failure SC: SHIP/SHIP ship-to-ship-collision,-alsohandover, lunch break, etc. QR: 5 6000 LITRES DIESEL OIL LEAKED barges FROM A DAMAGED PIPE ON A STORAGE IS: NONIGNITE non-ignition-of-flammable-TANK AT A COAL MERCHANTS. THE DIESEL AN: 8914 materials ME: SPILLED INTO THE RIVER TAY AND B; Y KW: TIMING Timing of the incident, time of THREATENED WATER SUPPLIES AND CR: AEA day, shift, handover, lunch break, etc. WILDLIFE. SPECIALIST CLEAN-UP DA: 06/01/1998 TANKER CARRYING DIESEL OIL CONTRACTORS PUT IN CONTAINMENT LO: USA; LOUISIANA; FOURCHON AND GASOLINE COLLIDED WITH ANOTHER BOOMS. MN: DIESEL OIL VESSEL WHICH SANK. TANKER SUSTAINED MH: FI fire RA: DAMAGE TO FOREPEAK. CREW OF SUNKEN

Edizione Ottobre 2006 Pag. 10 di 66

TRANSPORT transport-; PIPELINE

CONTREL continuous-release

IMPACT impact-failure

MC:

IT:

OG:

GC:

1223





Pag. 11 di 66

IY:	1997	GC:	EXTERNAL external-events		R STORAGE TANKS AND REFINERY.
		IS:	NONIGNITE non-ignition-of-flammable-		E OF EXPLOSION UNKNOWN.
-4.		material		RA:	2
8b)	AN: 8847	KW:	COMPANY Firm or company involved;	ID:	19971102
ME:	A-; Y		JTY Information on any laws which were	IY:	1997
CR:	AEA		or which were important mitigating factors;	KR:	1
DA:	21/11/1997		Hard copy contains photograph(s)	QR:	10
LO:	GREECE; CHIOS ISLAND	AB:	A CONTROL VALVE ON A		
MN:	DIESEL OIL		NDANT TANK CONTAINING DIESEL		
MH:	FI fire		AS KNOCKED BY A FOX FOUND	11)	AN: 8712
MC:	1223		NED IN OIL IN BUND SURROUNDING	ME:	N
OG:	TRANSPORT transport-; SHIP		CRACK IN BUND WALL ALLOWED	CR:	AEA
GC:	IMPACT impact-failure		POLLUTE STREAM. COMPANY	DA:	09/09/1997
SC:	SHIP/SHIP ship-to-ship-collision,-also-		GHT TANK EMPTY BUT WAS FINED	LO:	THAILAND; PHUKET ISLAND
barges			8000 POUNDS STERLING.	MN:	DIESEL OIL
IS:	NONIGNITE non-ignition-of-flammable-	RA:	1	MH:	FI fire
material		ID:	19971112	MC:	1223
KW:	TIMING Timing of the incident, time of	IY:	1997	IT:	EXPLODE explosion-
day, shif	ft, handover, lunch break, etc.			OG:	TRANSFER loading,-unloading; SHIP
AB:	TANKER CARRYING DIESEL OIL			NP:	Killed: 3; Injured: 2; Evacuated:
AND G	SASOLINE COLLIDED WITH ANOTHER	10)	AN: 8814	GC:	EXTERNAL external-events
VESSE.	L WHICH SANK. TANKER SUSTAINED	ME:	N	SC:	SABOTAGE sabotage-or-vandalism
DAMA	GE TO FOREPEAK. CREW OF SUNKEN	CR:	AEA	AB:	EXPLOSION ON SMALL TANKER
VESSE.	L RESCUED, CREW OF TANKER	DA:	02/11/1997	DURIN	NG TRANSFER OF DIESEL OIL FROM
UNINJ	URED. NO POLLUTION REPORTED.	LO:	ISRAEL; ASHDOD	TANK	ER. 3 KILLED, 2 INJURED. OIL WAS
RA:	1	MN:	DIESEL OIL	REPOI	RTED TO HAVE BEEN SMUGGLED TO
ID:	19971121	MH:	FI fire	BANG	LADESH. VESSEL SANK.
IY:	1997	MC:	1223	RA:	3
		IT:	EXPLODE explosion-; FIRE fire-	ID:	19970909
		OG:	STORAGE storage-; ASVESSEL storage-	IY:	1997
9)	AN: 8832	vessels,-	atmospheric-pressure	KR:	3
ME:	N	NP:	Killed: 1; Injured:; Evacuated:	IR:	2
CR:	AEA	QY:	10.00		
DA:	12/11/1997	KW:	TIMING Timing of the incident, time of		
LO:	UK; HAMPSHIRE; SOUTHAMPTON	day, shi	ft, handover, lunch break, etc.	12)	AN: 8547
MN:	DIESEL OIL	AB:	A STORAGE TANK CONTAINING 10	ME:	N
MH:	FI fire	TONN	ES OF DIESEL EXPLODED AND	CR:	AEA
MC:	1223	CAUGI	HT FIRE. ONE WORKER WAS KILLED.	DA:	01/07/1997
IT:	CONTREL continuous-release	DENSE	E BLACK SMOKE ENGULFED THE	LO:	UK; LEICESTERSHIRE; FREEMANS
OG:	STORAGE storage-; ASVESSEL storage-		FIREFIGHTERS WORKED TO	PARK	
vessels,-	atmospheric-pressure	PREVE	NT FIRE FROM SPREADING TO	MN:	DIESEL
	± ±				





MH: FI fire	RA: 1	SC: SHIP/LAND-ship-to-land-collision,-also-
MC: 1223	ID: 19970516	barges
IT: CONTREL continuous-release	IY: 1997	KW: NUISANCE-Nuisance (non-hazardous)
OG: DOM/COM domestic-or-commercial;		caused by the incident
COMMTANK small-commercial-tank		AB: TOWED BARGE WITH 600t DIESEL
QY: 8.10	14) AN: 8358	SANK WHEN IT WAS FORCED TO THE
IS: NONIGNITE non-ignition-of-flammable-	CŔ: AEA	NEAREST PORT BECAUSE OF ITS POOR
materials	DA: 18/03/97	CONDITION.
KW: COMPANY Firm or company involved;	LO: RIVER RHINE; ; GERMANY	RA: 1
PHOTO Hard copy contains photograph(s)	MN: DIESEL	
AB: 90001 DIESEL OIL LEAKED FROM AN	MT: LIQUID	
UNDERGROUND TANK AT A NEWLY	MH: FI-fire	16) AN: 8230
OPENED SUPERMARKET PETROL STATION.	MC: 1223	CŔ: AEA
THE LEAK WAS CONTAINED WITHIN A	IT: CONTREL-continuous-release	DA: 28/10/96
MUDSTONE POCKET, AND THERE WAS NO	OG: TRANSPORT; BARGE	LO: FAREHAM; HAMPSHIRE; UK
RISK TO THE WATERCOURSE OR	GC: IMPACT-impact-failure	MN: DIESEL OIL
GROUNDWATER. PETROL STATION	SC: SHIP/LAND-ship-to-land-collision,-also-	MT: LIQUID
CLOSED WHILE TANK & FUEL REMOVED.	barges	MH: FI-fire
RA: 1	QY: 23	MC: 1223
ID: 19970701	IS: NONIGNITE-non-ignition-of-flammable-	IT: CONTREL-continuous-release
IY: 1997	materials	OG: DOM/COM-domestic-or-commercial;
QR: 8	KW: DURATION-Duration of the incident	COMMTANK-small-commercial-tank
	AB: AN INLAND WATERWAYS TANKER	GC: EXTERNAL-external-events;
	WENT AGROUND ON THE RHINE BETWEEN	MECHANICAL-mechanical-failure
13) AN: 8474	BONN AND KONIGSWINTER. SHE SPRANG A	SC: HIGHWINDS-high-winds
ME: N	LEAK AND 25000litres DIESEL OIL ESCAPED.	QY: >0.4
CR: AEA	THE LEAK WAS DEALT WITH AFTER ONE	IS: NONIGNITE-non-ignition-of-flammable-
DA: 16/05/1997	HOUR.	materials
LO: USA; ALASKA; BRISTOL BAY	RA: 1	KW: AFTER-After effects such as clear up,
MN: DIESEL OIL		survival of injured, etc.
MH: FI fire		AB: SEVERAL HUNDRED GALLONS
MC: 1223	15) AN: 8269	DIESEL OIL LEAKED FROM FARM STORAGE
OG: TRANSPORT transport-; BARGE	CR: AEA	TANK AFTER GALE FORCE WINDS BLEW
GC: IMPACT impact-failure	DA: 15/12/96	AWAY THE SIGHT GLASS. ENVIRONMENT
KW: TIMING Timing of the incident, time of	LO: ARABIAN GULF; ;	AGENCY WORKERS USED ABSORBENT PADS
day, shift, handover, lunch break, etc.	MN: DIESEL OIL	TO SOAK OIL FROM LAND, ALLOWING TIDE
AB: BARGE CONTAINING 50000galls NO2	MT: LIQUID	TO NATURALLY DISPERSE POLLUTION TO
DIESEL OIL BROKE FREE FROM MOORINGS	MH: FI-fire	SEA.
AND WAS HOLED. CARGO WAS LIGHTERED	MC: 1223	RA: 1
OFF FOLLOWING THE INCIDENT, AND NO	OG: TRANSPORT; BARGE	
SPILLAGE OCCURRED.	GC: IMPACT-impact-failure	





17) AN: 8139	GC: HUMAN-human-factor	RA: 1
CR: AEA	SC: OVERFILL-overfilling	
DA: 15/08/96	QY: 300	
LO: BUSAN; ; SOUTH KOREA	IS: NONIGNITE-non-ignition-of-flammable-	20) AN: 8070
MN: DIESEL OIL	materials	CR: AEA
MT: LIQUID	KW: COMPANY-Firm or company involved	DA: 21/06/96
MH: FI-fire	AB: OVERFLOW OCCURRED DURING	LO: NR NEW ORLEANS; LOUISIANA; USA
MC: 1223	LOADING OF TANK BARGE AT OIL JETTY	MN: MARINE DIESEL OIL
IT: RELEASE	CAUSING 300te DIESEL OIL TO SPILL TO	MT: LIQUID
OG: TRANSPORT; BARGE	RIVER. DESPITE ANTI-SPILLAGE MEASURES,	MH: FI-fire
GC: IMPACT-impact-failure	MUCH OF OIL THOUGH TO HAVE SETTLED	MC: 1223
SC: SHIP/LAND-ship-to-land-collision,-also-	ON RIVER BED.	IT: CONTREL-continuous-release
barges	RA: 3	OG: TRANSPORT; BARGE
IS: NONIGNITE-non-ignition-of-flammable-		GC: IMPACT-impact-failure
materials		SC: SHIP/SHIP-ship-to-ship-collision,-also-
KW: AFTER-After effects such as clear up,		barges
survival of injured, etc.; TIMING-Timing of the		QY: 72
incident, time of day, shift, handover, lunch break,	19) AN: 8082	IS: NONIGNITE-non-ignition-of-flammable-
etc.; AREA-Size of the area affected	CR: AEA	materials
AB: COASTAL OIL BARGE WITH 1600tons	DA: 30/06/96	KW: TIMING-Timing of the incident, time of
BUNKER OIL & 200tons DIESEL SPILLED	LO: WAN DO; ; SOUTH KOREA	day, shift, handover, lunch break, etc.
UNKNOWN AMOUNT OF OIL AFTER	MN: DIESEL OIL	AB: HULL OF BARGE DAMAGED FROM
HITTING A PIER WHILE DOCKED. BUNKER	MT: LIQUID	COLLISIONS OF TUG TOWED & PUSHED
OIL IN ENGINE ROOM SPILLED OUT &	MH: FI-fire	TANK BARGES 30m SOUTH OF NEW
CONFLICTING REPORTS AS TO WHETHER	MC: 1223	ORLEANS. 800001 MARINE DIESEL OIL
CARGO OIL WAS RELEASED FROM	IT: CONTREL-continuous-release	SPILLED TO RIVER. POSSIBILITY OF
SUBMERGED BARGE.	OG: TRANSPORT; SHIP	ENVIRONMENTAL DAMAGE - MAY SEE
RA: 2	NP: Killed: 0; Injured: 0; Evacuated:	MINIMAL EFFECT IF MISSISSIPPI RIVER
	GC: IMPACT-impact-failure	FLUSHES OIL QUICKLY TO GULF.
	SC: SHIP/SHIP-ship-to-ship-collision,-also-	RA: 3
18) AN: 8083	barges	
CR: AEA	IS: NONIGNITE-non-ignition-of-flammable-	
DA: 30/05/96	materials	21) AN: 7991
LO: CALCUTTA; ; INDIA	KW: TIMING-Timing of the incident, time of	CR: AEA
MN: DIESEL OIL	day, shift, handover, lunch break, etc.	DA: 23/04/96
MT: LIQUID	AB: VESSEL IN BALLAST COLLIDED	LO: PANAMA CANAL; ;
MH: FI-fire	WITH TANKER FULLY LOADED WITH	MN: LIGHT DIESEL OIL
MC: 1223	MARINE DIESEL OIL. DAMAGE SUSTAINED	MT: LIQUID
IT: CONTREL-continuous-release	TO BOTH VESSELS & SLIGHT LEAKAGE OF	MH: FI-fire
OG: TRANSFER-loading, unloading;	MARINE DIESEL OIL FROM TANKER. NO	MC: 1223
PIPEWORK	CREW INJURIES REPORTED.	IT: CONTREL-continuous-release
III Ly Onix	one wingomino minomino.	11. CONTINUA COMUNICOUSTICICASC





GC MPACT-impact-fulure	OG: TRANSPORT; SHIP		SOME OIL LEAKED OUT OF VESSEL &
SC SHIP/LAND-ship-to-land-collision_valso Data 14/01/96 Data Da		23) AN: 7835	
DAI: 14/01/96 LO: HNES HILL; WESTERN AUSTRALIA; S. NONIGNITE-non-ignition-of-flammable-materials AUSTRALIA AUSTRALIA S. NONIGNITE-non-ignition-of-flammable-materials AUSTRALIA AUSTRA		,	
Description			
Signature AUSTRALIA Signature AUSTRALIA Signature AUSTRALIA Mile DIESEL OIL Circumstate Circum		-, - ,	
MR			25) AN: 7770
ABB	0		,
TRANSIT CONTACTED LOCKS. AS MUCH AS 130 te LIGHT DIESEL OIL MAY HAVE BEEN MC: 1223 SPILT. VESSEL CONTINUED TRANSIT. RA: 2 OG: TRANSPORT; RAILTANKER-rail-tanker NP; Killed: 2; Injured: 1; Evacuated: CG: MPACT-impact-failure TF; FIRE; EXPLODE-explosion TF; FIRE; EXPLODE-e			
130te			, ,
SPILT. VESSEL CONTINUED TRANSIT.			
RA: 2			
NP. Killed: 2; Injured: 1; Evacuated: MC. 1223 1			•
GC: IMPACT-impact-failure	R/1. Z		
22) AN: 7886 SC: VEHICLE-other-vehicle OG: TRANSPORT; ROADTANKER-road- CR: AEA AB: EXPLOSION WITH FIREBALL, 800m DA: 17/02/96 LO: VARNA; BULGARIA CARRYING DIESEL COLLIDED WITH REAR CARRYING DIESEL COLLIDED WITH REAR MN: DIESEL OIL OF TRAIN LEAVING MAIN LINE. ENGINEER MN: LIQUID & BOY KILLED & SECOND MAN IS CRITICALLY INJURED. MH: FI-fire CRITICALLY INJURED. CRITICALLY INJURED. AB: TANKER HIT ROCKS ON SIDE OF MC: 1223 RA: 1 ROADAC-road-accident,-no-other- wehicle MH: FI-fire CRITICALLY INJURED. MF: Killed: 1, Injured: 7 100; Evacuated: CRITICALLY INJURED. MF: Killed: 1, Injured: 7 100; Evacuated: CRITICALLY INJURED. MF: Killed: 1, Injured: 7 100; Evacuated: CR: AEA OG: TRANSPORT; PIPELINE NP: Killed: 1, Injured: 7 100; Evacuated: CR: AEA OG: SABOTAGE-sabotage-or-vandalism DA: 11/12/95 IS: NONIGNITE-non-ignition-of-flammable- materials NP: DIESEL OIL MH: FI-fire DA: 23/10/95 AB: THIEVES PUNCTURED PIPELINE MG: 1223 HUNDRED PEOPLE ADMITTED TO IS: NONIGNITE-non-ignition-of-flammable- materials WATER SUPPLY. SUPPLY TO ALL 500,000 SC: SHIP/LAND-ship-to-land-collision,-also- MG: 1223 HUNDRED PEOPLE ADMITTED TO IS: NONIGNITE-non-ignition-of-flammable- MG: 1223 HUNDRED PEOPLE ADMITTED TO AB: CHEMICAL TANKER WITH 8724.567 kl GC: IMPACT-impact-failure OG: TRANSPORT; SHIP POISIONING. AB: CHEMICAL TANKER WITH 8724.567 kl GG: IMPACT-impact-failure			
CÉ: AEA DA: 17/02/96 LO: VARNA; BULGARIA DIESEL OIL MY: DIESEL OIL MY: LIQUID MY: DIESEL OIL MY: LIQUID MY: CARTYING DIESEL COLLIDED WITH REAR MY: DIESEL OIL MY: LIQUID MY: LIQUID MY: CARTYING DIESEL COLLIDED WITH REAR MY: LIQUID MY: LIQUID MY: CARTYING DIESEL COLLIDED WITH REAR MY: LIQUID MY: LIQUID MY: CARTYING DIESEL COLLIDED WITH REAR MY: LIQUID MY: LIQUID MY: CARTYING DIESEL COLLIDED WITH REAR MY: LIQUID MY: CARTYING DIESEL OIL MY: LIQUID MY: CARTYING DIESEL OIL MY: LIQUID MY: CARTYING MAIN LINE. ENGINEER MY: LIQUID MY: CARTYING MAIN LINE. ENGINEER MY: CARTYING MAIN LINE. ENGINEER MY: LIQUID MY: CARTYING MAIN LINE. ENGINEER M	22) ANI 7007		
DA: 17/02/96 LO: VARNA; BULGARIA CARRYING DIESEL COLLIDED WITH REAR MN: DIESEL OIL MT: LIQUID MF-fire CRITICALLY INJURED. MC: 1223 MC: TRANSPORT; PIPELINE MP: Killed: 1, Injured: ; Evacuated: MF: LOWITH REAR MC: 1223 MC: TRANSPORT; PIPELINE MP: Killed: 1, Injured: 24) AN: 7791 B MC: 1225 MR: NP: Killed: 1, Injured: 240; MR: NP: Killed: 1, Injured: 1, Injured: 240; MR: NP: Killed: 1, Injured: 1	,		,
LO: VARNA; BULGARIA MN: DIESEL OIL OF TRAIN LEAVING MAIN LINE. ENGINEER MT: LIQUID & BOY KILLED & SECOND MAN IS CRITICALLY INJURED. MH: FI-fire CRITICALLY INJURED. RA: 1 CONTREL-continuous-release OG: TRANSPORT; PIPELINE NP: Killed:; Injured: >100; Evacuated: CR: AEA CR: AEA CR: AEA CR: TRAPPED IN CAB KILLED. RA: 1 CR: AEA CR: AEA CR: INJURIES-Types of, or causes of or degree of injuries AB: THIEVES PUNCTURED PIPELINE & MC: 1223 AS A RESULT LARGE QUANTITIES OF FUEL SEPED TO GROUND & THEN TO CITY'S WATER SUPPLY. SUPPLY TO ALL 500,000 SC: SHIP/LAND-ship-to-land-collision,-also-INJACK INPACT-impact-failure POISIONING. CRRANSPORT; SHIP POISIONING. AB: CHEMICAL TANKER WITH 8724.567 kl CRRAIN LEAVING MAIN LINE. ENGINEER SC: ROADACC-road-accident,-no-other-webicle vehicle NAB: TANKER HIT ROCKS ON SIDE OF RAB: TANKER HIT ROCKS ON SIDE OF RAB: TANKER HIT ROCKS ON SIDE OF ROAD. TRACTOR ON FIRE AND EXPLOSION AB: TANKER HIT ROCKS ON SIDE OF ROAD. TRACTOR ON FIRE AND EXPLOSION AB: TANKER HIT ROCKS ON SIDE OF ROAD. TRACTOR ON FIRE AND EXPLOSION AB: TANKER HIT ROCKS ON SIDE OF ROAD. TRACTOR ON FIRE AND EXPLOSION AB: TANKER HIT ROCKS ON SIDE OF ROAD. TRACTOR ON FIRE AND EXPLOSION AB: TANKER HIT ROCKS ON SIDE OF ROAD. TRACTOR ON FIRE AND EXPLOSION AB: CHEMICAL TANKER WITH 8724.567 kl GC: IMPACT-impact-failure GC: IMPACT-impact-failure MC: 1223 HUNDRED PEOPLE ADMITTED TO IS: NONIGNITE-non-ignition-of-flammable- IT: CONTREL-continuous-release OG: TRANSPORT; SHIP POISIONING. AB: CHEMICAL TANKER WITH 8724.567 kl GC: IMPACT-impact-failure GC: IMPACT-impact-fai			
MN: DIESEL OIL MT: LIQUID			, , ,
MT: LIQUID MH: FI-fire CRITICALLY INJURED. AB: TANKER HIT ROCKS ON SIDE OF MC: 1223 RA: 1 ROAD. TRACTOR ON FIRE AND EXPLOSION IT: CONTREL-continuous-release OG: TRANSPORT; PIPELINE NP: Kilded; ; Injured: >100; Evacuated: 24) SC: EXTERNAL-external-events SC: SABOTAGE-sabotage-or-vandalism DA: 11/12/95 IS: NONIGNITE-non-ignition-of-flammable- materials MN: DIESEL OIL MT: LIQUID CR: AEA OG: INJURIES-Types of, or causes of or degree of injuries AB: THIEVES PUNCTURED PIPELINE MC: 1223 AS A RESULT LARGE QUANTITIES OF FUEL SEEPED TO GROUND & THEN TO CITY'S WATER SUPPLY. SUPPLY TO ALL 500,000 SC: SHIP/LAND-ship-to-land-collision,-also- INHABITANTS WERE AFFECTED & SEVERAL HUNDRED PEOPLE ADMITTED TO HAIF (SITE) AB: CHEMICAL TANKER WITH 8724.567 kl AB: CHEMICAL TANKER WITH 8724.567 kl CR: TANKER HIT ROCKS ON SIDE OF AB: TANKER HIT ROEAD. AFTER SUPPLY EXCEPT FOR DIESELOIL AB: TANKER HIT ROCKS AB: TANKER HIT ROCKS AFTER FIRE SPREAD TO TANK WHICH WAS CR: AEA RA: 1 CR: AEA RA: 1 CR: AEA RA: 1 CR: MPTY EXCEPT FOR DIESELOIL AB: AB: TANKER HIT ROCKS AFTER FIRE SPREAD TO TANK WHICH HAS AB: TANKER HIT ROCKS AFTER FIRE SPREAD AB: TANKER HIT ROCKS AFTER FIRE SPREAD AB: TANKER HIT ROSCS AFTER FIRE SPEAD TO TANK WHICH HAS AB: TANKER HIT AB:			
MH: F1-fire CRITICALLY INJURED. MC: 1223 RA: 1 ROAD. TRACTOR ON FIRE AND EXPLOSION IT: CONTREL-continuous-release OG: TRANSPORT; PIPELINE NP: Killed: ; Injured: >100; Evacuated: 24) AN: 7791 B DRIVER TRAPPED IN CAB KILLED. GC: EXTERNAL-external-events CR: AEA SC: SABOTAGE-sabotage-or-vandalism IS: NONIGNITE-non-ignition-of-flammable-materials MN: DIESEL OIL KW: INJURIES-Types of, or causes of or degree of injuries AS: THIEVES PUNCTURED PIPELINE & MC: 1223 AS A RESULT LARGE QUANTITIES OF FUEL SEEPED TO GROUND & THEN TO CITY'S WATER SUPPLY. SUPPLY TO ALL 500,000 KWATER SUPPLY. SUPPLY TO ALL 500,000 KONIGNITE-non-ignition-of-flammable-materials WATER SUPPLY SUPPLY TO ALL 500,000 NONIGNITE-non-ignition-of-flammable-materials NONIGNITE-non-ignition-of-flammable-materials NONIGNITE-non-ignition-of-flammable-materials NONIGNITE-non-ignition-of-flammable-materials OG: TRANSPORT; SHIP POISIONING. AB: CHEMICAL TANKER WITH 8724.567 kl GC: IMPACT-impact-failure			
MC: 1223 RA: 1 ROAD. TRACTOR ON FIRE AND EXPLOSION AFTER FIRE SPREAD TO TANK WHICH WAS OG: TRANSPORT; PIPELINE NP: Killed:; Injured: >100; Evacuated: 24) RC: SABOTAGE-sabotage-or-vandalism SC: SABOTAGE-sabotage-or-vandalism DA: 11/12/95 IS: NONIGNITE-non-ignition-of-flammable-materials KW: INJURIES-Types of, or causes of or degree of injuries AB: THIEVES PUNCTURED PIPELINE & MC: 1223 AS A RESULT LARGE QUANTITIES OF FUEL SEEPED TO GROUND & THEN TO CITY'S WATER SUPPLY. SUPPLY TO ALL 500,000 WATER SUPPLY. SUPPLY TO ALL 500,000 INCHOR: SPECIAL DATE OF TRANSPORT; SHIP POISIONING. RA: 1 ROAD. TRACTOR ON FIRE AND EXPLOSION AFTER FIRE FIRE AND EXPLOSION AFTER FUR PLANS WHICH WAS OF IRANSPORT; SUPPLY TO ALL 500,000 IT ANS. DIESEL OIL SEPICATION OF TRACTOR ON FIRE AND EXPLOSION AFTER FUR PLANS WHICH WAS OF IRANSPORT; SHIP POISIONING. ROAD. TRACTOR ON FIRE AND EXPLOSION AFTER FIRE FIRE AND EXPLOSION AFTER FUR PLANS WHICH WAS OF IRANSPORT; SUPPLY REMPTED IN CAB KILLED. ROAD. TRACTOR ON FIRE AND EXPLOSION AFTER FIRE FIRE FUR PLANS WHICH WAS OF INFORMATION OF INFORM	•		
TT: CONTREL-continuous-release OG: TRANSPORT; PIPELINE NP: Killed; Injured: >100; Evacuated: CR: AEA SC: EXTERNAL-external-events SC: SABOTAGE-sabotage-or-vandalism IS: NONIGNITE-non-ignition-of-flammable-materials MN: DIESEL OIL NP: KILLED AEA NONIGNITE-non-ignition-of-flammable-materials AEA AEA NN: DIESEL OIL CR: AEA NN: DIESEL OIL AN: 7707 AN: 7707 AN: 7707 AEA AEA AEA AEA AEA AEA AEA			
OG: TRANSPORT; PIPELINE NP: Killed: ; Injured: >100; Evacuated: 24) AN: 7791 B CR: Killed: ; Injured: >100; Evacuated: CR: AEA SC: EXTERNAL-external-events CR: AEA SC: SABOTAGE-sabotage-or-vandalism IS: NONIGNITE-non-ignition-of-flammable- materials MN: DIESEL OIL LO: INCHON; ; SOUTH KOREA MN: DIESEL OIL KW: INJURIES-Types of, or causes of or degree of injuries MH: FI-fire DA: 23/10/95 AB: THIEVES PUNCTURED PIPELINE & MC: 1223 AS A RESULT LARGE QUANTITIES OF FUEL SEEPED TO GROUND & THEN TO CITY'S WATER SUPPLY. SUPPLY TO ALL 500,000 WATER SUPPLY SUPPLY TO ALL 500,000 SC: SHIP/LAND-ship-to-land-collision,-also- INHABITANTS WERE AFFECTED & SEVERAL HUNDRED PEOPLE ADMITTED TO HOSPITALS WITH VARIOUS DEGREES OF Materials CHEMICAL TANKER WITH 8724.567 kl EMPTY EXCEPT FOR DIESEL OIL RESIDUE. RA: 7791 B DRIVER TRAPPED IN CAB KILLED. RA: 1 LO: LAB KILLED. RA: 1 CR: AEA CR: AEA CR: AEA CR: AEA AEA LO: HAIFA; ISRAEL AEA ILO: HAIFA; ISRAEL MN: DIESEL OIL SEPED TO GROUND & THEN TO CITY'S GC: IMPACT-impact-failure MT: LIQUID WATER SUPPLY. SUPPLY TO ALL 500,000 SC: SHIP/LAND-ship-to-land-collision,-also- MC: 1223 HUNDRED PEOPLE ADMITTED TO IS: NONIGNITE-non-ignition-of-flammable- MC: 1223 HUNDRED PEOPLE ADMITTED TO MC: 1223 GG: TRANSPORT; SHIP POISIONING. AB: CHEMICAL TANKER WITH 8724.567 kl GC: IMPACT-impact-failure		RA: 1	
NP: Killed: ; Injured: >100; Evacuated: 24) AN: 7791 B GC: EXTERNAL-external-events CR: AEA RA: 1 SC: SABOTAGE-sabotage-or-vandalism DA: 11/12/95 IS: NONIGNITE-non-ignition-of-flammable- materials MN: DIESEL OIL AB: THIEVES PUNCTURED PIPELINE & MC: 1223 AS A RESULT LARGE QUANTITIES OF FUEL SEEPED TO GROUND & THEN TO CITY'S WATER SUPPLY. SUPPLY TO ALL 500,000 WATER SUPPLY. SUPPLY TO ALL 500,000 WATER SUPPLY SUPPLED TO INDIRATED			
GC: EXTERNÁL-external-events CR: AEA SC: SABOTAGE-sabotage-or-vandalism DA: 11/12/95 IS: NONIGNITE-non-ignition-of-flammable- materials MN: DIESEL OIL MN: DIESEL OIL CR: AEA Of injuries MH: FI-fire DA: 23/10/95 AB: THIEVES PUNCTURED PIPELINE & MC: 1223 AS A RESULT LARGE QUANTITIES OF FUEL SEEPED TO GROUND & THEN TO CITY'S WATER SUPPLY. SUPPLY TO ALL 500,000 WATER SUPPLY. SUPPLY TO ALL 500,000 SC: SHIP/LAND-ship-to-land-collision,-also- INABITANTS WERE AFFECTED & SEVERAL HUNDRED PEOPLE ADMITTED TO HOSPITALS WITH VARIOUS DEGREES OF Materials MAEA RA: 1 CR: AEA AN: 7707 AB: OR: NAN: 7707 AB: NONIGNITE-non-ignition-of-flammable- MC: 123/10/95 AB: NONIGNITE-non-ignition-of-flammable- MC: 123 MC: 1233 MC: 1223 MC: 1223 MC: 1223 MC: 1223 MC: 1223 HUNDRED PEOPLE ADMITTED TO AB: CHEMICAL TANKER WITH 8724.567 kl GC: IMPACT-impact-failure	,		
SC: SABOTAGE-sabotage-or-vandalism IS: NONIGNITE-non-ignition-of-flammable-materials MN: DIESEL OIL WM: INJURIES-Types of, or causes of or degree of injuries MH: FI-fire DA: 23/10/95 AB: THIEVES PUNCTURED PIPELINE & MC: 1223 AS A RESULT LARGE QUANTITIES OF FUEL SEEPED TO GROUND & THEN TO CITY'S WATER SUPPLY. SUPPLY TO ALL 500,000 WATER SUPPLY SUPPLY TO ALL 500,000 WATER SUPPLY SUPPLY TO ALL 500,000 WATER SUPPLY SUPPLED TO INHABITANTS WERE AFFECTED & SEVERAL HUNDRED PEOPLE ADMITTED TO HOSPITALS WITH VARIOUS DEGREES OF Materials POISIONING. DA: 11/12/95 INCHON; ; SOUTH KOREA MN: DIESEL OIL AN: TRANSPORT; SHIP MN: DIESEL OIL MT: LIQUID MT:	, , , , , , , , , , , , , , , , , , ,	24) AN: 7791 B	DRIVER TRAPPED IN CAB KILLED.
IS: NONIGNITE-non-ignition-of-flammable- materials MN: DIESEL OIL 26) AN: 7707 KW: INJURIES-Types of, or causes of or degree of injuries MH: FI-fire DA: 23/10/95 AB: THIEVES PUNCTURED PIPELINE & MC: 1223 LO: HAIFA;; ISRAEL AS A RESULT LARGE QUANTITIES OF FUEL OG: TRANSPORT; SHIP MN: DIESEL OIL SEEPED TO GROUND & THEN TO CITY'S GC: IMPACT-impact-failure MT: LIQUID WATER SUPPLY. SUPPLY TO ALL 500,000 SC: SHIP/LAND-ship-to-land-collision,-also- INHABITANTS WERE AFFECTED & SEVERAL HUNDRED PEOPLE ADMITTED TO IS: NONIGNITE-non-ignition-of-flammable- HOSPITALS WITH VARIOUS DEGREES OF materials POISIONING. AB: CHEMICAL TANKER WITH 8724.567 kl INHABITANTS WERE AFFECT- IMPACT-impact-failure LO: INCHON;; SOUTH KOREA AN: 7707 AR: AEA OA: 23/10/95 AB: NONIGNITE-non-ignition-of-flammable- IO: HAIFA; ISRAEL AN: DIESEL OIL MN: DIESEL OIL MT: LIQUID TI: CONTREL-continuous-release MC: 1223 HUNDRED PEOPLE ADMITTED TO AB: CHEMICAL TANKER WITH 8724.567 kl GC: IMPACT-impact-failure		CR: AEA	RA: 1
materials MN: DIESEL OIL 26) AN: 7707 KW: INJURIES-Types of, or causes of or degree of injuries MH: FI-fire DA: 23/10/95 AB: THIEVES PUNCTURED PIPELINE & MC: 1223 LO: HAIFA;; ISRAEL AS A RESULT LARGE QUANTITIES OF FUEL OG: TRANSPORT; SHIP MN: DIESEL OIL SEEPED TO GROUND & THEN TO CITY'S GC: IMPACT-impact-failure MT: LIQUID WATER SUPPLY. SUPPLY TO ALL 500,000 SC: SHIP/LAND-ship-to-land-collision,-also-INHABITANTS WERE AFFECTED & SEVERAL barges MC: 1223 HUNDRED PEOPLE ADMITTED TO IS: NONIGNITE-non-ignition-of-flammable-HOSPITALS WITH VARIOUS DEGREES OF materials OG: TRANSPORT; SHIP POISIONING. AB: CHEMICAL TANKER WITH 8724.567 kl GC: IMPACT-impact-failure	SC: SABOTAGE-sabotage-or-vandalism	DA: 11/12/95	
KW: INJURIES-Types of, or causes of or degree of injuries	IS: NONIGNITE-non-ignition-of-flammable-	LO: INCHON; ; SOUTH KOREA	
of injuries MH: FI-fire DA: 23/10/95 AB: THIEVES PUNCTURED PIPELINE & MC: 1223 LO: HAIFA;; ISRAEL AS A RESULT LARGE QUANTITIES OF FUEL OG: TRANSPORT; SHIP MN: DIESEL OIL SEEPED TO GROUND & THEN TO CITY'S GC: IMPACT-impact-failure MT: LIQUID WATER SUPPLY. SUPPLY TO ALL 500,000 SC: SHIP/LAND-ship-to-land-collision,-also- INHABITANTS WERE AFFECTED & SEVERAL barges MC: 1223 HUNDRED PEOPLE ADMITTED TO IS: NONIGNITE-non-ignition-of-flammable- HOSPITALS WITH VARIOUS DEGREES OF materials OG: TRANSPORT; SHIP POISIONING. AB: CHEMICAL TANKER WITH 8724.567 kl GC: IMPACT-impact-failure	materials	MN: DIESEL OIL	26) AN: 7707
AB: THIEVES PUNCTURED PIPELINE & MC: 1223 LO: HAIFA;; ISRAEL AS A RESULT LARGE QUANTITIES OF FUEL OG: TRANSPORT; SHIP MN: DIESEL OIL SEEPED TO GROUND & THEN TO CITY'S GC: IMPACT-impact-failure MT: LIQUID WATER SUPPLY. SUPPLY TO ALL 500,000 SC: SHIP/LAND-ship-to-land-collision,-also- INHABITANTS WERE AFFECTED & SEVERAL barges MC: 1223 HUNDRED PEOPLE ADMITTED TO IS: NONIGNITE-non-ignition-of-flammable- HOSPITALS WITH VARIOUS DEGREES OF materials OG: TRANSPORT; SHIP POISIONING. AB: CHEMICAL TANKER WITH 8724.567 kl GC: IMPACT-impact-failure	KW: INJURIES-Types of, or causes of or degree	MT: LIQUID	CR: AEA
AS A RESULT LARGE QUANTITIES OF FUEL SEEPED TO GROUND & THEN TO CITY'S WATER SUPPLY. SUPPLY TO ALL 500,000 WATER SUPPLY. SUPPLY TO ALL 500,000 SC: SHIP/LAND-ship-to-land-collision,-also- INHABITANTS WERE AFFECTED & SEVERAL HUNDRED PEOPLE ADMITTED TO IS: NONIGNITE-non-ignition-of-flammable- HOSPITALS WITH VARIOUS DEGREES OF Materials POISIONING. AB: CHEMICAL TANKER WITH 8724.567 kl MN: DIESEL OIL MT: LIQUID MH: FI-fire MC: 1223 IT: CONTREL-continuous-release OG: TRANSPORT; SHIP OG: MPACT-impact-failure	of injuries	MH: FI-fire	DA: 23/10/95
SEEPED TO GROUND & THEN TO CITY'S WATER SUPPLY. SUPPLY TO ALL 500,000 SC: SHIP/LAND-ship-to-land-collision,-also- INHABITANTS WERE AFFECTED & SEVERAL HUNDRED PEOPLE ADMITTED TO HOSPITALS WITH VARIOUS DEGREES OF POISIONING. GC: IMPACT-impact-failure MT: LIQUID MH: FI-fire MC: 1223 HU: CONTREL-continuous-release MC: TRANSPORT; SHIP OG: TRANSPORT; SHIP OG: IMPACT-impact-failure		MC: 1223	
SEEPED TO GROUND & THEN TO CITY'S WATER SUPPLY. SUPPLY TO ALL 500,000 SC: SHIP/LAND-ship-to-land-collision,-also- INHABITANTS WERE AFFECTED & SEVERAL HUNDRED PEOPLE ADMITTED TO HOSPITALS WITH VARIOUS DEGREES OF POISIONING. GC: IMPACT-impact-failure MT: LIQUID MH: FI-fire MC: 1223 HU: CONTREL-continuous-release MC: TRANSPORT; SHIP OG: TRANSPORT; SHIP OG: IMPACT-impact-failure	AS A RESULT LARGE QUANTITIES OF FUEL	OG: TRANSPORT; SHIP	MN: DIESEL OIL
WATER SUPPLY. SUPPLY TO ALL 500,000 SC: SHIP/LAND-ship-to-land-collision,-also- INHABITANTS WERE AFFECTED & SEVERAL HUNDRED PEOPLE ADMITTED TO HOSPITALS WITH VARIOUS DEGREES OF POISIONING. SC: SHIP/LAND-ship-to-land-collision,-also- Barges NONIGNITE-non-ignition-of-flammable- materials NONIGNITE-non-ignition-of-flammable- materials NOG: TRANSPORT; SHIP OG: IMPACT-impact-failure			MT: LIQUID
INHABITANTS WERE AFFECTED & SEVERAL HUNDRED PEOPLE ADMITTED TO HOSPITALS WITH VARIOUS DEGREES OF POISIONING. Barges NONIGNITE-non-ignition-of-flammable- materials NONIGNITE-non-ignition-of-flammable- materials NOSIGNITE-non-ignition-of-flammable- materials NO			
HUNDRED PEOPLE ADMITTED TO IS: NONIGNITE-non-ignition-of-flammable- HOSPITALS WITH VARIOUS DEGREES OF materials POISIONING. AB: CHEMICAL TANKER WITH 8724.567 kl GC: IMPACT-impact-failure		1	MC: 1223
HOSPITALS WITH VARIOUS DEGREES OF materials OG: TRANSPORT; SHIP POISIONING. AB: CHEMICAL TANKER WITH 8724.567 kl GC: IMPACT-impact-failure			
POISIONING. AB: CHEMICAL TANKER WITH 8724.567 kl GC: IMPACT-impact-failure		8	
KA: Z SELEZ LAND-Snip-to-land-collision -also-	RA: 2	KEROSENE, 10338.279 kl DIESEL & 10502.442 kl	SC: SHIP/LAND-ship-to-land-collision,-also-

FUEL OIL TOUCHED BOTTOM OFF INCHON.

barges



EXTINGUISHED AFTER 2 DAYS. IT WAS

FOX Petroli S.p.A. – Deposito Costiero di Pesaro Rapporto di Sicurezza Appendice B – Analisi storica



INVESTIGATED AS ACT OF TERRORISM.

QY: 1.7	BELIEVED TANK WAS NOT FILLED TO FULL	MC: 1270
IS: NONIGNITE-non-ignition-of-flammable-	CAPACITY.	IT: CONTREL-continuous-release
materials	RA: 3	OG: TRANSPORT; SHIP
AB: US NAVAL COMBAT STORE VESSEL		GC: EXTERNAL-external-events; IMPACT-
STRUCK ARTIFICIAL WAVE BARRIER AT		impact-failure
PORT AND SPILLED 500GALLS DIESEL FUEL.	28) AN: 7087	SC: SHIP/SHIP-ship-to-ship-collision,-also-
VESSEL STRUCK BARRIER WHILE	CR: AEA	barges
REVERSING, DISLODGING FUELLING	DA: 21/09/94	QY: <140
JETTY.	LO: TSING YI ISLAND; ; HONG KONG	IS: NONIGNITE-non-ignition-of-flammable-
RA: 2	MN: DIESEL OIL	materials
	MT: LIQUID	KW: TIMING-Timing of the incident, time of
	MH: FI-fire	day, shift, handover, lunch break, etc.; DURATION-
27) AN: 7386	MC: 1223	Duration of the incident; PROGRESN-How the
CR: AEA	IT: CONTREL-continuous-release	incident progressed or developed with time
DA: 08/03/95	OG: TRANSFER-loading,-unloading;	AB: TANKER PROCEEDING UPRIVER
LO: FREEPORT; ; BAHAMAS	PIPEWORK	WITH SUPER BENZINE COLLIDED WITH
MN: DIESEL	NP: Killed: ; Injured: 0; Evacuated:	TANKER PROCEEDING DOWN RIVER WITH
MT: LIQUID	GC: IMPACT-impact-failure	DIESEL OIL IN DENSE FOG. 100,000-200,0001
MH: FI-fire	QY: 0.36	PETROL SPILLED TO ELBE WHEN ANCHOR
MC: 1223	IS: NONIGNITE-non-ignition-of-flammable-	OF OTHER TORE VESSELS SIDE. DIESEL
IT: TANKFIRE-tank-fire	materials	TANKS NOT DAMAGED BUT VESSEL LOST
OG: STORAGE-storage-plant; ASVESSEL-	KW: TIMING-Timing of the incident, time of	ITS ANCHOR.
storage-vessels,-atmospheric-pressure	day, shift, handover, lunch break, etc.	RA: 3
NP: Killed: ; Injured: ; Evacuated: 0.5 x 10E3	AB: TANKER HIT PIER ON LEAVING OIL	
DG: US\$ 7 x 10E6	DEPOT AFTER DISCHARGING	
GC: EXTERNAL-external-events	CONSIGNMENT OF DIESEL. 4001 DIESEL	30) AN: 6838
SC: LIGHTNING	SPILT TO SEA FROM SNAPPED PIPELINE.	CR: AEA
QY: 57234	DAMAGED AREA HAS OVER 10 TRANSFER	DA: 23/04/94
IS: ELECTRIC-electric-sparks; STATIC-static-	PIPES FOR DIESEL, OIL & SOLVENTS. OIL	LO: JOHANNESBURG; ; SOUTH AFRICA
including-lightning	DEPOT IS APPROXIMATELY 175m FROM	MN: DIESEL
KW: TIMING-Timing of the incident, time of	RESIDENTIAL ESTATE.	MT: LIQUID
day, shift, handover, lunch break, etc.; COMPANY-	RA: 1	MH: FI-fire
Firm or company involved; PROGRESN-How the		MC: 1223
incident progressed or developed with time;		IT: EXPLODE-explosion; FIRE
DURATION-Duration of the incident	29) AN: 6857	OG: TRANSPORT; PIPELINE
AB: LIGHTNING STRUCK 400,000bbl	CR: AEA	GC: EXTERNAL-external-events
DIESEL OIL FLOATING ROOF TANK	DA: 09/05/94	SC: SABOTAGE-sabotage-or-vandalism
SETTING IT ON FIRE. LOCAL INHABITANTS	LO: NEUENGAMME; ; GERMANY	KW: DURATION-Duration of the incident
EVACUATED. FIRE BEING ALLOWED TO	MN: PETROL	AB: EXPLOSION WHICH BLASTED
BURN ITSELF OUT, BLAZE BEING	MT: LIQUID	DIESEL OIL PIPELINE BEING
FIRST CONTOUR A PRINCE A PARTY OF THE PRINCE	3.07.7 FT 6	DIFFORM OF HELD AND ADDRESS OF HELD DO DO TO A

Edizione Ottobre 2006 Pag. 15 di 66

MH:

FI-fire





PIPELINE BLAZED FOR 5hrs & FLAMES SHOT	OG: TRANSPORT; RAILTANKER-rail-tanker	OF DIESEL OIL ONTO MOTORWAY. POLICE
150m IN AIR. RA: 2	NP: Killed: ; Injured: 5; Evacuated: GC: IMPACT-impact-failure	BELIEVE DRIVER MAY HAVE BEEN TAKEN ILL AT THE WHEEL SECONDS BEFORE THE
$\mathbf{R}\mathbf{A}$. \mathbf{Z}	SC: VEHICLE-other-vehicle	CRASH.
	KW: RESPONSE-Emergency response to the	RA: 1
31a) AN: 6654 B	incident; COMPANY-Firm or company involved;	R21. 1
CR: AEA	TIMING-Timing of the incident, time of day, shift,	
DA: 09/01/94	handover, lunch break, etc.; DURATION-Duration	33) AN: 6494
LO: LESANTHE; ; ZIMBABWE	of the incident	CR: AEA
MN: PETROL	AB: TRAIN OF OIL TANKERS WITH 1.5m	DA: 19/10/93
MT: LIQUID	litres PETROL & DIESEL OIL BURST INTO	LO: UZHGOROD; ; SLOVAKIA
MH: FI-fire	FLAMES AFTER HEAD ON COLLISION WITH	MN: DIESEL OIL
MC: 1270	ANOTHER TRAIN. FIRE ENGULFED 29 TANK	MT: LIQUID
IT: FIRE	WAGONS. ONLY 11 WERE SALVED. BLAZE	MH: FI-fire
OG: TRANSPORT; RAILTANKER-rail-tanker	CONTROLLED AFTER 9 HOURS. 5 INJURED.	MC: 1223
NP: Killed: ; Injured: 5; Evacuated:	RA: 2	IT: CONTREL-continuous-release
GC: IMPACT-impact-failure	R/1. Z	OG: TRANSPORT; PIPELINE
SC: VEHICLE-other-vehicle		GC: EXTERNAL-external-events
KW: RESPONSE-Emergency response to the		SC: SABOTAGE-sabotage-or-vandalism
incident; COMPANY-Firm or company involved;		QY: 66
TIMING-Timing of the incident, time of day, shift,	32) AN: 6542	IS: NONIGNITE-non-ignition-of-flammable-
handover, lunch break, etc.; DURATION-Duration	CR: AEA	materials
of the incident	DA: 11/11/93	KW: TIMING-Timing of the incident, time of
AB: TRAIN OF OIL TANKERS WITH 1.5m	LO: THORNE; SOUTH YORKSHIRE; UK	day, shift, handover, lunch break, etc.; COMPANY-
litres PETROL & DIESEL OIL BURST INTO	MN: DIESEL OIL	Firm or company involved; AFTER-After effects such
FLAMES AFTER HEAD ON COLLISION WITH	MT: LIQUID	as clear up, survival of injured, etc.
ANOTHER TRAIN. FIRE ENGULFED 29 TANK	MH: FI-fire	AB: ABOUT 65t DIESEL LEAKED FROM
WAGONS. ONLY 11 WERE SALVED. BLAZE	MC: 1223	PIPELINE TO RIVER ON SLOVAK/UKRAINE
CONTROLLED AFTER 9 HOURS. 5 INJURED.	IT: CONTREL-continuous-release	BORDER AFTER THIEVES LEFT PIPELINE
RA: 2	OG: TRANSPORT; ROADTANKER-road-	TAP OPEN. MOST OF OIL SAID TO HAVE
M1. 2	tanker	BEEN PUMPED OUT OF RIVER IN UKRAINE,
	GC: IMPACT-impact-failure	BUT SLOVAK EMERGENCY COMMISSION
31b) AN: 6654 A	SC: ROADACC-road-accident,-no-other-	ESTIMATE 50t HAD FLOWED OVER BORDER.
CR: AEA	vehicle	RA: 2
DA: 09/01/94	QY: >0.41	KA. Z
LO: LESANTHE; ; ZIMBABWE	IS: NONIGNITE-non-ignition-of-flammable-	
MN: DIESEL	materials	34) AN: 6335
MT: LIQUID	KW: PHOTO-Hard copy contains photograph(s)	CR: AEA
MH: FI-fire	AB: TANKER HIT CENTRAL CRASH	DA: 29/07/93
MC: 1223	BARRIER & VEERED INTO A PILLAR ON A	LO: ELLESMERE PORT; CHESHIRE; UK
IT: FIRE	BRIDGE SPILLING HUNDREDS OF GALLONS	MN: DIESEL OIL
11. 11KE	DRIDGE SUITEING HOMDIGDS OF GUITONS	MIN. DIESEL OIL





MT: LIQUID	VESSEL DOUBLE HULLED AND INNER	SC: SHIP/LAND-ship-to-land-collision,-also-
MH: FI-fire	TANKS NOT PIERCED.	barges
MC: 1223	RA: 1	KW: PHOTO-Hard copy contains photograph(s)
IT: CONTREL-continuous-release		AB: SHIP WITH 100te DYNAMITE, 20000
OG: TRANSPORT; ROADTANKER-road-		PERCUSSION CAPS, 300te FERTILIZER & 20 te
tanker	36) AN: 6055	DIESEL OIL GROUNDED AFTER CARGO
GC: IMPACT-impact-failure	CR: SRD	SHIFTED & TOW CABLES SNAPPED.
SC: ROADACC-road-accident,-no-other-	DA: 09/02/93	POPULATION EVACUATED BUT RETURNED
vehicle	LO: GOTHENBURG; ; SWEDEN	HOME LATER SAME DAY WHEN SITUATION
QY: 4.5	MN: DIESEL OIL	DECLARED SAFE. SHIP EXPLODED
IS: NONIGNITE-non-ignition-of-flammable-	MT: LIQUID	FOLLOWING DAY.
materials	MH: FI-fire	RA: 4
AB: TANKER SWERVED OFF ROAD TO	MC: 1223	
AVOID ONCOMING CAR & HIT TREE ON	OG: TRANSPORT; SHIP	
RAILWAY EMBANKMENT. 5000l DIESEL	GC: IMPACT-impact-failure	38) AN: 6004
SPILT TO GROUND. REMAINING LOAD	SC: SHIP/LAND-ship-to-land-collision,-also-	CR: SRD
PUMPED OUT.	barges	DA: 08/01/93
RA: 1	QY: 20000	LO: CAMPINAS; ; BRAZIL
	IS: NONIGNITE-non-ignition-of-flammable-	MN: DIESEL OIL
	materials	MT: LIQUID
35) AN: 6104	KW: TIMING-Timing of the incident, time of	MH: FI-fire
CR: SRD	day, shift, handover, lunch break, etc.	MC: 1223
DA: 14/03/93	AB: TANKER WITH 20,000te DIESEL OIL	IT: FIRE; EXPLODE-explosion
LO: NEW YORK HARBOUR; NEW YORK;	RAN AGROUND JUST OUTSIDE PORT.	OG: STORAGE-storage-plant; ASVESSEL-
USA	EXTENSIVE DAMAGE TO HULL, BUT NO OIL	storage-vessels,-atmospheric-pressure
MN: MARINE DIESEL OIL	SPILLED.	DG: US\$ 2 x 10E6
MT: LIQUID	RA: 1	GC: EXTERNAL-external-events
MH: FI-fire		SC: LIGHTNING
MC: 1223		QY: 6400
OG: TRANSPORT; SHIP	37) AN: 6011	IS: ELECTRIC-electric-sparks; STATIC-static-
GC: IMPACT-impact-failure	CR: SRD	including-lightning
SC: SHIP/LAND-ship-to-land-collision,-also-	DA: 09/01/93	KW: COMPANY-Firm or company involved
barges	LO: MANDAL; ; NORWAY	AB: FIRE & EXPLOSION IN STORAGE
IS: NONIGNITE-non-ignition-of-flammable-	MN: EXPLOSIVES	TANK CAUSED BY LIGHTNING STRIKE AT
materials	MH: EX-explosive	REFINERY. 6400te DIESEL DESTROYED.
KW: TIMING-Timing of the incident, time of	MC: 0081	LOSS ESTIMATE US\$2m.
day, shift, handover, lunch break, etc.	IT: EXPLODE-explosion	RA: 1
AB: TANKER CARRYING 11 000 000 galls	OG: TRANSPORT; SHIP	
MARINE DIESEL OIL GROUNDED IN NEW	NP: Killed: ; Injured: ; Evacuated: 0.12 x 10E3	
YORK HARBOUR. NO POLLUTION AS	GC: IMPACT-impact-failure	

Edizione Ottobre 2006 Pag. 17 di 66





39a) AN: 5961 B	AB: 5 RAILROAD CARS TIPPED OVER	SC: ROADACC-road-accident,-no-other-
CR: SRD	SPILLING 84TE DIESEL OIL & 40te MOTOR	vehicle
DA: 24/11/92	OIL THREATENING WILDLIFE RESERVES &	AB: TANK TRUCK CRASHED & SPILLED
LO: YAROSLAVL; RUSSIA; CIS	FISH SPAWNING GROUNDS.	MIXTURE OF 18001 AMMONIUM NITRATE &
MN: MOTOR OIL	RA: 2	DIESEL OIL TO RIVER. AQUEDUCT SHUT
MT: LIQUID		DOWN.
MH: FI-fire	40) 431 5040	RA: 1
MC: 1267	40) AN: 5860	
IT: CONTREL-continuous-release	CR: SRD	10) 131 500
OG: TRANSPORT; RAILTANKER-rail-tanker	DA: 02/09/92	42) AN: 5698
GC: IMPACT-impact-failure	LO: TALLINN BAY; ; ESTONIA	CR: AEA
SC: RAILACC-rail-accident,-no-other-vehicle	MN: DIESEL OIL	DA: 14/09/92
QY: 40	MT: LIQUID	LO: LANDRAKE; ; UK
IS: NONIGNITE-non-ignition-of-flammable-	MH: FI-fire	MN: OIL
materials	MC: 1223	MT: LIQUID
KW: ENVIRMNT-Environmental impact of the	IT: RELEASE	MH: FI-fire
incident (natural environment)	OG: TRANSPORT; RAILTANKER-rail-tanker	MC: 1223
AB: 5 RAILROAD CARS TIPPED OVER	GC: IMPACT-impact-failure	IT: CONTREL-continuous-release
SPILLING 84TE DIESEL OIL & 40te MOTOR	SC: RAILACC-rail-accident,-no-other-vehicle	OG: TRANSPORT; ROADTANKER-road-
OIL THREATENING WILDLIFE RESERVES &	QY: 50	tanker
FISH SPAWNING GROUNDS.	IS: NONIGNITE-non-ignition-of-flammable-	GC: MECHANICAL-mechanical-failure
RA: 2	materials	SC: VALVE-leaking-or-passing-valve
	AB: TANK WAGON DERAILED LEAKING	QY: 3.68
	50te DIESEL OIL TO HARBOUR. BOOMS	IS: NONIGNITE-non-ignition-of-flammable-
39b) AN: 5961 A	UNABLE TO RETAIN OIL AND SLICK SPREAD	materials
CR: SRD	OVER THREE QUARTERS OF BAY.	KW: PHOTO-Hard copy contains
DA: 24/11/92	RA: 2	photograph(s); TIMING-Timing of the incident, time
LO: YAROSLAVL; RUSSIA; CIS		of day, shift, handover, lunch break, etc.
MN: DIESEL OIL		AB: TANKER SPILLED 900galls DIESEL
MT: LIQUID	41) AN: 5772	OIL THROUGH PIPE WHEN VALVE FAILED.
MH: FI-fire	CR: SRD	TRIBUTARY OF RIVER LYNHER POLLUTED
MC: 1223	DA: 08/07/92	THROUGH ROADSIDE DRAINS. ROAD
IT: CONTREL-continuous-release	LO: PROVO; UTAH; USA	SURFACE HAD TO BE RE-LAID. 42 DUCKS
OG: TRANSPORT; RAILTANKER-rail-tanker	MN: AMMONIUM NITRATE	BECAME COVERED IN OIL AND REQUIRED
GC: IMPACT-impact-failure	MH: OX-oxidising; EX-explosive	CLEANING.
SC: RAILACC-rail-accident,-no-other-vehicle	MC: 2072	RA: 3
QY: 84	IT: RELEASE	
IS: NONIGNITE-non-ignition-of-flammable-	OG: TRANSPORT; ROADTANKER-road-	
materials	tanker	43a) AN: 5590 B
KW: ENVIRMNT-Environmental impact of the	GC: IMPACT-impact-failure	CR: SRD
incident (natural environment)		DA: 08/06/92

Edizione Ottobre 2006 Pag. 18 di 66



RA: 1

FOX Petroli S.p.A. – Deposito Costiero di Pesaro Rapporto di Sicurezza Appendice B – Analisi storica



LO: PROVO; UTAH; USA		OG: STORAGE-storage-plant; ASVESSEL-
MN: DIESEL OIL		storage-vessels,-atmospheric-pressure
MT: LIQUID	44) AN: 5529	GC: EXTERNAL-external-events
MH: FI-fire	CR: SRD	SC: SABOTAGE-sabotage-or-vandalism
MC: 1223	DA: 03/05/92	QY: 0.27
OG: TRANSPORT; ROADTANKER-road-	LO: LOZERE; ; FRANCE	IS: NONIGNITE-non-ignition-of-flammable-
tanker	MN: DIESEL OIL	materials
GC: IMPACT-impact-failure	MT: LIQUID	AB: UPTO 3001 DIESEL OIL SPILLED
SC: ROADACC-road-accident,-no-other-	MH: FI-fire	INTO TRIBUTARY OF RIVER TAMAR.
vehicle	MC: 1223	VANDALS BELIEVED TO HAVE RELEASED
KW: COMPANY-Firm or company involved	IT: CONTREL-continuous-release	THE OIL FROM TIMBER YARD TANK.
AB: TANKER TRUCK CARRYING 46000lbs	OG: TRANSPORT; ROADTANKER-road-	RA: 2
AMMONIUM NITRATE MIXED WITH DIESEL	tanker	
OIL INTO A PASTE LIKE SUBSTANCE.	NP: Killed: 0; Injured: 0; Evacuated:	
FAILED TO MAKE A CURVE AND WENT	GC: IMPACT-impact-failure	46) AN: 5335
DOWN A 10ft EMBANKMENT INTO RIVER.	SC: ROADACC-road-accident,-no-other-	CR: SRD
ABOUT 50galls SPILLED FROM TRUCK.	vehicle	DA: 12/01/92
RA: 1	QY: 13.5	LO: AALESUND; ; NORWAY
	IS: NONIGNITE-non-ignition-of-flammable-	MN: FUEL OIL
	materials	MT: LIQUID
43b) AN: 5590 A	KW: COMPANY-Firm or company involved	MH: FI-fire
CR: SRD	AB: TANKER WENT OUT OF CONTROL	MC: 1223
DA: 08/06/92	ON STEEP HILLSIDE ROAD & CAREERED	IT: CONTREL-continuous-release
LO: PROVO; UTAH; USA	DOWN REVINE. 15000l DIESEL PUMPED	OG: TRANSPORT; SHIP
MN: AMMONIUM NITRATE	FROM RUPTURED TANKER, BUT SOME OF	GC: IMPACT-impact-failure
MT: SOLID	300001 HAD ESCAPED SEEPING THROUGH	SC: SHIP/LAND-ship-to-land-collision,-also-
MH: OX-oxidising; EX-explosive	SUBSOIL TO RIVER. ANTI-POLLUTION	barges
MC: 2072	BARRAGE ESTABLISHED TO PROTECT	QY: 90
OG: TRANSPORT; ROADTANKER-road-	RIVER. NO INJURIES.	IS: NONIGNITE-non-ignition-of-flammable-
tanker	RA: 2	materials
GC: IMPACT-impact-failure		AB: ORE CARRIER CARRYING 520te FUEL
SC: ROADACC-road-accident,-no-other-		& DIESEL OIL & SOME LUBRICANTS RAN
vehicle	45) AN: 5462	AGROUND ON ROCKS AFTER ENGINE
KW: COMPANY-Firm or company involved	CR: SRD	TROUBLE. CREW AIRLIFTED TO SAFETY.
AB: TANKER TRUCK CARRYING 46000lbs	DA: 03/04/92	AROUND 100 CuM OIL SPILLED OUT OF
AMMONIUM NITRATE MIXED WITH DIESEL	LO: PLYMOUTH; DEVON; UK	VESSEL. WIND BLEW POLLUTION AWAY
OIL INTO A PASTE LIKE SUBSTANCE.	MN: OIL	FROM BIRD SANCTUARY. VESSEL BEGAN TO
FAILED TO MAKE A CURVE AND WENT	MH: FI-fire	BREAK UP.
DOWN A 10ft EMBANKMENT INTO RIVER.	MC: 1267	RA: 3
ABOUT 50galls SPILLED FROM TRUCK.	IT: CONTREL-continuous-release	
D.A. 4		

Edizione Ottobre 2006 Pag. 19 di 66





47) AN: 5116 B CR: SRD DA: 11/09/91 LO: ALDINGBOURNE; SUSSEX; UK MN: DIESEL OIL MT: LIQUID MH: FI-fire MC: 1223 IT: TANKFIRE-tank-fire OG: TRANSPORT; RAILTANKER-rail-tanker GC: IMPACT-impact-failure SC: RAILACC-rail-accident,-no-other-vehicle KW: PHOTO-Hard copy contains photograph(s); TIMING-Timing of the incident, time of day, shift, handover, lunch break, etc. AB: LAST WAGON OF 14 WAGON TRAIN DERAILED ON LEVEL CROSSING AND CAUGHT FIRE. BURNING WAGON TOWED AWAY FROM REST OF TRAIN AND FOAM SPRAYED ON TANK. AREA SEALED OFF. 60 FIREMEN FOUGHT 7ft FLAMES. RA: 4	AB: TANK AND BULK CARRIER COLLIDED ON HARBOUR APPROACH. A QUANTITY OF DIESEL OIL SPILLING FROM TANK AND AND POLLUTING SEA. TANK HOLDING 20,823 kilolitres OF DIESEL OIL AND 8023 kilolitres OF BUNKER FUEL OIL. REMAINING DIESEL OIL IN TANKS. RA: 1 49) AN: 4975 CR: SRD DA: 17/11/86 LO: SELBY; UK MN: DIESEL OIL MT: LIQUID MH: FI-fire MC: 1223 IT: FIRE OG: TRANSPORT; SHIP AB: THREE MAN CREW OF TANK ESCAPED INJURY WHEN VESSEL CARRYING 420 TONS DIESEL OIL CAUGHT FIRE.	IS: NONIGNITE-non-ignition-of-flammable-materials KW: TIMING-Timing of the incident, time of day, shift, handover, lunch break, etc. AB: DIESEL OIL SPILLED ON ROAD AFTER TRUCK WAS IN COLLISION WITH CAR. DIESEL WAS IN DRUM WHICH FELL OVER IN BACK OF TRUCK AND LEAKED ON REAR TYRES, RESULTING IN ACCIDENT. ROAD WAS SANDED DOWN BY PUBLIC WORKS DEPARTMENT. RA: 1 51) AN: 4651 CR: SRD DA: <07/02/91 LO: LEEMING; YORKSHIRE; UK MN: DIESEL OIL MT: LIQUID MH: FI-fire MC: 1223 IT: RELEASE
48) AN: 5069 CR: SRD DA: 13/08/91 LO: INCHON HARBOUR; ; SOUTH KOREA MN: DIESEL OIL MT: LIQUID MH: FI-fire MC: 1223 IT: RELEASE OG: TRANSPORT; SHIP GC: IMPACT-impact-failure SC: SHIP/SHIP-ship-to-ship-collision,-alsobarges IS: NONIGNITE-non-ignition-of-flammable-materials	DAMAGE CONTAINED TO BOILER ROOM. RA: 1 50) AN: 4972 CR: SRD DA: 07/11/86 LO: ST AUBIN; JERSEY; UK MN: DIESEL OIL MT: LIQUID MH: FI-fire MC: 1223 IT: RELEASE OG: TRANSPORT; PACKAGE-portable-transport-containers GC: IMPACT-impact-failure SC: VEHICLE-other-vehicle	OG: TRANSPORT; PIPELINE AB: LIGHT DIESEL OIL CREATED 7 MILE SLICK AFTER UNDERGROUND PIPE FRACTURED. 200 galls RELEASED. RA: 1 52) AN: 4625 CR: SRD DA: /07/91 LO: BRADFORD; YORKSHIRE; UK MN: DIESEL OIL MT: LIQUID MH: FI-fire MC: 1223 IT: CONTREL-continuous-release





OG: TRANSPORT; ROADTANKER-road- tanker GC: EXTERNAL-external-events; IMPACT- impact-failure SC: SABOTAGE-sabotage-or-vandalism; ROADACC-road-accident,-no-other-vehicle QY: 3.18 IS: NONIGNITE-non-ignition-of-flammable- materials	54) AN: 4426 CR: SRD DA: 29/08/90 LO: CHESAPEAKE; VIRGINIA; USA MN: DIESEL OIL MT: LIQUID MH: FI-fire MC: 1223 IT: CONTREL-continuous-release	AB: BARGES COLLIDED, LEAD BARGE CAUGHT FIRE SPILLING 42000gall OIL. CURRENTS & EVAPOURATION DISPERSED OIL. REMAINING CARGO LIGHTERED. DIESEL & GASOLINE CARRYING BARGES ALSO CAUGHT FIRE. RA: 1
	OG: TRANSPORT; PIPELINE	56) AN: 4309
17 17	,	CR: SRD
Hard copy contains photograph(s) AB: THIEVES STOLE DIESEL TANKER	IS: NONIGNITE-non-ignition-of-flammable- materials	DA: 01/11/91
	KW: AFTER-After effects such as clear up,	LO: FINDON; KENT; UK
CARRYING 1600 GALL FUEL, CRASHED AND OVERTURNED IT, SPILLING MORE THAN	survival of injured, etc.; AREA-Size of the area	MN: DIESEL OIL
1000 GALLS TO BECK. BOOMS DEPLOYED	affected	MT: LIQUID
AND CLEAN UP OPERATION SUCCESS.	AB: NORMAL PRESSURE SURGE ON PIPE	MH: FI-fire
RA: 1	THAT HAD ACCIDENTALLY BEEN DRILLED	MC: 1223
Real.	INTO 2 weeks EARLIER BY ELECTRIC	IT: RELEASE
	COMPANY RELEASED 67000galls DIESEL	OG: TRANSPORT; ROADTANKER-road-
53) AN: 4433	FUEL, 3000galls ONTO MARCHLAND. 47000galls	tanker
CR: SRD	OIL RECOVERED IN CLEAN-UP. LARGE	IS: NONIGNITE-non-ignition-of-flammable-
DA: 27/08/90	ENVIRONMENTAL IMPACT.	materials
LO: ITAQUI; ; BRAZIL	RA: 2	AB: DIESEL OIL SPILLING FROM FUEL
MN: DIESEL OIL		TANK CAUSED 10 ACCIDENTS ESPECIALLY
MT: LIQUID		WHEN COMBINED WITH SURFACE WATER
MH: FI-fire	55) AN: 4377 B	FROM THE NIGHT BEFORE. ROADS
MC: 1223	CR: SRD	GRITTED AND 10te OF SAND EXPECTED TO
IT: CONTREL-continuous-release	DA: 09/12/81	BE PUT DOWN.
OG: TRANSPORT; SHIP	LO: LOUISVILLE; KENTUCKY; USA	RA: 1
GC: IMPACT-impact-failure	MN: DIESEL OIL	
SC: SHIP/SHIP-ship-to-ship-collision,-also-	MT: LIQUID	
barges	MH: FI-fire	57) AN: 4299
IS: NONIGNITE-non-ignition-of-flammable-	MC: 1223	CR: SRD
materials	IT: FIRE	DA: 13/09/90
AB: OIL TANKER CARRYING 18500te	OG: TRANSPORT; BARGE	LO: DUSSELDORF; ; GERMANY
DIESEL STRUCK WRECK OF BULK CARRIER	GC: IMPACT-impact-failure	MN: DIESEL OIL
ON APPROACH TO PORT, CARGO LEAKING	SC: SHIP/SHIP-ship-to-ship-collision,-also-	MT: LIQUID
FROM 4 TANKS.	barges; SHIP/LAND-ship-to-land-collision,-also-	MH: FI-fire
RA: 1	barges	MC: 1223
	QY: 111.2	IT: CONTREL-continuous-release
	KW: COMPANY-Firm or company involved	OG: TRANSPORT; BARGE





	TERNAL-external-events; IMPACT-	LO: UK	HUNGERFORD; CAMBRIDGESHIRE;	SC: vehicle	ROADACC-road-accident,-no-other-
impact-failure SC: SHI	IP/SHIP-ship-to-ship-collision,-also-	MN:	DIEEL FUEL	KW:	PHOTO-Hard copy contains photograph(s)
barges	11 / OTTIT SIMP to SIMP comoion, also	MT:	LIQUID	AB:	A LORRY TRAVELLING ON A
QY: 144		MH:	FI-fire		ORWAY SKIDDED ON DIESEL OIL
	FOG 2 BARGES COLLIDED.	MC:	1223		ED FROM A TANKER, OVERTURNED &
	PILT DIESEL OIL SPREAD OVER	IT:	CONTREL-continuous-release		ITS LOAD OF BROMOPROPANE
	INE. INTERNATIONAL	OG:	STORAGE-storage-plant; ASVESSEL-		YL BROMIDE ON MOTORWAY. 4
POLLUTION	N ALARM ISSUED.	storage-	vessels,-atmospheric-pressure	PEOPI	LE WERE KILLED IN THE RESULTING
RA: 2		GC:	EXTERNAL-external-events	PILE U	JP WHICH INVOLVED MORE THAN 30
		SC:	SABOTAGE-sabotage-or-vandalism	VEHIC	CLES.
		IS:	NONIGNITE-non-ignition-of-flammable-	RA:	>10
58) AN:	: 4125	material	S		
	ORKSAFE	KW:	COMPANY-Firm or company involved;		
	/09/90		T-Describes how the incident was detected;	61)	AN: 4005
	ACKWATER; QUEENSLAND;		MNT-Environmental impact of the incident	CR:	SRD
AUSTRALIA			environment); PHOTO-Hard copy contains	DA:	/05/89
MN: LPG		photogr		LO:	GLOUCESTER; GLOUCESTERSHIRE;
	GAS-pressurised-liquified-gas	AB:	GALLONS OF DIESEL OIL LEAKED	UK	
MH: FI-fi			A STORAGE TANK INTO A CANAL.	MN:	DIESEL OIL
MC: 1075			TENING WILD LIFE. 1.5MILES OF	MT:	LIQUID
	PLODE-explosion; FIREBALL		WAS CONTAMINATED WITH THE	MH:	FI-fire
	ANSPORT; PACKAGE-portable-		ANT TISSUES AND BOOMS WERE	MC:	1223 PPI FA 0F
transport-cont			O ABSORB THE SPILLAGE. VANDALS	IT:	RELEASE
	ed: 0; Injured: 1; Evacuated:		GHT TO BE RESPONSIBLE FOR LEAK.	QY:	3
	PACT-impact-failure	RA:	1	KW:	COMPANY-Firm or company involved;
	HICLE-other-vehicle				ORS-Aggravating or mitigating factors
	'RAIN WITH EMPTY GRAIN S CRASHED INTO A TRUCK	(0)	AN: 4006	AB:	1000GAL OF DIESEL OIL ESCAPED A COMPANY PREMISES & ENTERED A
	2 LPG CYLINDERS AT A LEVEL	60) CR:	SRD		AM VIA THE SEWERS. POLLUTION WAS
	1 OF THE CYLINDERS	DA:	09/03/89		AINED TO 0.5MILE OF STREAM USING
	& A FIRE STARTED AS DIESEL	LO:	SANDBACH; CHESHIRE; UK		IS. COMPANY WAS NOT SURE HOW
	T FIRE. A FIREBALL PRODUCED	MN:	BROMOPROPANE4 PROPYL		DIESEL ESCAPED.
	T SUCKED INTO AIR	MT:	LIQUID	RA:	1
	NING VENTS OF TRAIN.	MH:	TO-toxic; FI-fire	10.1.	1
RA: 2	THE VIEW OF THEM V.	MC:	2344		
		IT:	RELEASE	62)	AN: 3770
		OG:	TRANSPORT; ROADTANKER-road-	CR:	SRD
59) AN:	: 4036	tanker	, , , , , , , , , , , , , , , , , , , ,	DA:	01/02/89
CR: SRD		NP:	Killed: 4; Injured: 9; Evacuated:	LO:	CALGARY; ALBERTA; CANADA
DA: 08/	/06/90	GC:	IMPACT-impact-failure	MN:	DIESEL OIL



IGNITED DIESEL OIL LEAKING FROM 3

FOX Petroli S.p.A. – Deposito Costiero di Pesaro Rapporto di Sicurezza Appendice B – Analisi storica



M'T'. T	IOUID	TANIZO	CADE A DACCENICED TO AINLOD ACHED	(F)	AN: 3453
	IQUID		CARS. A PASSENGER TRAIN CRASHED	65)	
	I-fire		THE WRECKAGE.	CR:	SRD
	223	RA:	4	DA:	18/11/88
	CONTREL-continuous-release			PD:	R-rural
	TRANSPORT; RAILTANKER-rail-tanker			LO:	CASTRIES; ; ST LUCIA
	MPACT-impact-failure	64a)	AN: 3577 B	MN:	DIESEL OIL
	EHICLE-other-vehicle	CR:	SRD	MT:	LIQUID
QY: 70		DA:	24/08/88	MH:	FI-fire
	NONIGNITE-non-ignition-of-flammable-	LO:	EWELL; MARYLAND; USA	MC:	1223
materials		MN:	GASOLINE	IT:	RELEASE
	VEATHER-Weather conditions at the time	MT:	LIQUID	OG:	STORAGE-storage-plant; ASVESSEL-
of, or during	g, the incident	MH:	FI-fire	storage-	-vessels,-atmospheric-pressure
AB: O	OVER 70te DIESEL SPILT FROM	MC:	1270	NP:	Killed: 0; Injured: 0; Evacuated: 0 x 10E3
THREE TA	ANK CARS AT A RAIL YARD.	IT:	CONTREL-continuous-release	QY:	45
LEAKAGE	ES DUE TO SHUNTING DAMAGE	OG:	TRANSPORT; BARGE	IS:	NONIGNITE-non-ignition-of-flammable-
WHICH O	CCURRED AT EXTREMELY LOW	QY:	445	materia	
TEMPERA	ATURE.	AB:	BARGE CARRYING DIESEL	KW:	COMPANY-Firm or company involved;
RA: 1		OIL/G.	ASOLINE/KEROSENE LEAKED UPTO	RESPC	ONSE-Emergency response to the incident
		,	gall OF PRODUCT LEAVING OIL SLICK	AB:	1500bbl DIESEL WERE RELEASED
			LONG * ½mile WIDE.		AN OIL COMPANY INSTALLATION
63) A	AN: 3743	RA:	1		CENT TO THE HARBOUR, INTO THE
,	RD	10.1.	•		THE SPILL WAS CONTAINED WITHIN A
	01/04/89				AL BOOM.
	'ANTA; ; EGYPT	64b)	AN: 3577 A	RA:	2
	DIESEL	CR:	SRD	ιτ.	4
	JQUID	DA:	24/08/88		
		LO:		((-)	AN: 3449 B
	I-fire		EWELL; MARYLAND; USA	66a)	
	223 EDE	MN:	DIESEL FUEL	CR:	SRD
	TRE	MT:	LIQUID	DA:	24/08/88
	TRANSPORT; RAILTANKER-rail-tanker	MH:	FI-fire	LO:	POTOMIC RIVER; VIRGINIA; USA
	Killed: 5; Injured: 43; Evacuated:	MC:	1223	MN:	GASOLINE
	MPACT-impact-failure	IT:	CONTREL-continuous-release	MT:	LIQUID
	RAILACC-rail-accident,-no-other-vehicle	OG:	TRANSPORT; BARGE	MH:	FI-fire
	RICSPARK-friction-sparks; INCAND-	QY:	445	MC:	1270
incandescen		AB:	BARGE CARRYING DIESEL	IT:	CONTREL-continuous-release
	NOCK-ON-Describes any knock-on or		ASOLINE/KEROSENE LEAKED UPTO	OG:	TRANSPORT; SHIP
	e effects caused; WEATHER-Weather	168000g	gall OF PRODUCT LEAVING OIL SLICK	AB:	SOME 200000galls. OF 80% DIESEL
conditions a	at the time of, or during, the incident	24km L	ONG * 1km WIDE.	OIL/20	0% GASOLINE MIX SPILLED FROM
AB: A	A FREIGHT TRAIN DERAILED IN	RA:	1	BARGI	E AFTER HULL SPLIT. BARGE WAS
THICK FO	OG AT 0770 LOCAL TIME. SPARKS			GROU	NDED & REMAINING CARGO

Edizione Ottobre 2006 Pag. 23 di 66

TRANSSHIPPED.





RA:	1	IS: NONIGNITE-non-ignition-of-flammable-	CR:	SRD
		materials	DA:	21/12/85
		AB: TANK CAR IN FREIGHT TRAIN	PD:	T-town
66b)	AN: 3449 A	LEAKED AN ESTIMATED 3000galls. DIESEL	LO:	NAPLES; ; ITALY
CR:	SRD	FUEL OVER A DISTANCE OF 2miles AFTER IT	MN:	GASOLINE
DA:	24/08/88	WAS REPORTEDLY PUNCTURED BY AN IRON	MT:	LIQUID
LO:	POTOMIC RIVER; VIRGINIA; USA	BAR LYING ON THE TRACKS.	MH:	FI-fire
MN:	DIESEL OIL	RA: 1	MC:	1270
MT:	LIQUID		IT:	EXPLODE-explosion; POOLFIRE-pool-
MH:	FI-fire	68a) AN: 3414 B	fire	
MC:	1223	CR: SRD	OG:	TRANSFER-loading,-unloading;
IT:	CONTREL-continuous-release	DA: 21/12/85	PIPEL	INE
OG:	TRANSPORT; BARGE	PD: T-town	NP:	Killed: 4; Injured: 170; Evacuated: 2 x 10E3
GC:	IMPACT-impact-failure	LO: NAPLES; ; ITALY	DG:	US\$ >20 x 10E6
SC:	SHIP/LAND-ship-to-land-collision,-also-	MN: DIESEL	KW:	COMPANY-Firm or company involved;
barges	, ,	MT: LIQUID	RESPC	ONSE-Emergency response to the incident;
AB:	SOME 200000galls 80% DIESEL	MH: FI-fire		IES-Types of, or causes of or degree of
OIL/20	% GASOLINE MIX SPILLED FROM	MC: 1223		; TIMING-Timing of the incident, time of day,
	E AFTER HULL SPLIT. BARGE WAS	IT: EXPLODE-explosion; POOLFIRE-pool-		andover, lunch break, etc.
GROU	NDED & REMAINING CARGO	fire	AB:	EXPLOSION/FIRE DURING
	SHIPPED.	OG: TRANSFER-loading,-unloading;	TRANS	SFER OF PETROL FROM SHIP TO
RA:	1	PIPELINE		AGE SPREAD TO 27 STORAGE TANKS
		NP: Killed: 4; Injured: 170; Evacuated: 2 x 10E3		AINING 72000te OF
		DG: US\$ >20 x 10E6		LINE/DIESEL/OIL. EXPLOSION
67)	AN: 3437	KW: COMPANY-Firm or company involved;		RRED DUE TO BUILD UP OF FUMES. 2
CR:	SRD	RESPONSE-Emergency response to the incident;		LE OUTSIDE DEPOT KILLED BY
DA:	10/12/87	INJURIES-Types of, or causes of or degree of		NG MASONRY.
LO:	NORTH ADAMS; MASSACHUSETTS;	injuries; TIMING-Timing of the incident, time of day,	RA:	1
USA	TVORTITIES INTO CONTROLLED TO	shift, handover, lunch break, etc.	10.1.	•
MN:	DIESEL OIL	AB: EXPLOSION/FIRE DURING		
MT:	LIQUID	TRANSFER OF PETROL FROM SHIP TO	68c)	AN: 3414 A
MH:	FI-fire	STORAGE TANK SPREAD TO 27 STORAGE	CR:	SRD
MC:	1223	TANKS CONTAINING 72000te OF	DA:	21/12/85
IT:	CONTREL-continuous-release	GASOLINE/DIESEL/OIL. EXPLOSION	LO:	NAPLES; ; ITALY
OG:	TRANSPORT; RAILTANKER-rail-tanker	OCCURRED DUE TO BUILD UP OF FUMES. 2	MN:	OIL
NP:	Killed: 0; Injured: 0; Evacuated:	PEOPLE OUTSIDE DEPOT KILLED BY	MT:	LIQUID
GC:	EXTERNAL-external-events; IMPACT-	FALLING MASONARY.	MH:	FI-fire
impact-		RA: 1	MC:	1267
SC:	HVYOBJECT-heavy-object	17.1.	IT:	EXPLODE-explosion; POOLFIRE-pool-
QY:	10		fire	EAT LODE-explosion, FOOLITKE-pool-
Q1.	10	68b) AN: 3414 D	1110	
		O(O) $IIII.$ $J + I + D$		



IGNITED.

FOX Petroli S.p.A. – Deposito Costiero di Pesaro Rapporto di Sicurezza Appendice B – Analisi storica



OG: TRANSFER-loading,-unloading;	RA: 1	incident; PUBLIC-Public reaction to the incident;
PIPELINE		PHOTO-Hard copy contains photograph(s)
NP: Killed: 4; Injured: 170; Evacuated: >2 x		AB: PAINT FACTORY BURNT DOWN,
10E3	69b) AN: 3214 A	POSSIBILITY ARSON. WHITE SPIRIT,
DG: US\$ >20 x 10E6	CR: SRD	CREOSOTE, TURPS, LINSEED OIL, DIESEL,
KW: COMPANY-Firm or company involved;	DA: 20/08/71	HEATING OIL, TAR, VARNISH, ALSO
AFTER-After effects such as clear up, survival of	PD: R-rural	OXYGEN CYLINDERS EXPLODED INJURING
injured, etc.; EXTENT-Extent of the damage caused;	LO: HUNTINGTON; OHIO; USA	3. NUMEROUS SMALL EXPLOSIONS,
KNOCK-ON-Describes any knock-on or domino	MN: ACRYLONITRILE	FAMILIES EVACUATED. 35 ENGINES
type effects caused; PROGRESN-How the incident	MT: LIQUID	ATTENDED.
progressed or developed with time	MH: FI-fire	RA: 2
AB: EXPLOSION/FIRE DURING	MC: 1093	
TRANSFER OF PETROL FROM SHIP TO	IT: RELEASE; POOLFIRE-pool-fire	
STORAGE TANKS SPREAD TO 27 STORAGE	OG: TRANSPORT; RAILTANKER-rail-tanker	70b) AN: 3175 C
TANKS CONTAINING 72000te OF	NP: Killed: 0; Injured: 0; Evacuated:	CR: SRD
GASOLINE/DIESEL/OIL. EXPLOSION	GC: IMPACT-impact-failure	DA: 12/06/88
OCCURRED DUE TO BUILD UP OF FUMES. 2	SC: RAILACC-rail-accident,-no-other-vehicle	PD: V-village
PEOPLE OUTSIDE DEPOT KILLED BY	AB: CONTENTS OF	LO: DANBURY; ESSEX; UK
FALLING MASONRY.	ACRYLONITRILE/DIESEL OIL TANKERS	MN: PAINTS
RA: 1	RELEASED FOLLOWING DERAILMENT OF 20	MT: LIQUID
	WAGON TRAIN. ESCAPING CONTENTS	MH: FI-fire
	IGNITED.	MC: 1263
69a) AN: 3214 B	RA: 1	IT: FIRE; EXPLODE-explosion
CR: SRD		NP: Killed: ; Injured: 5; Evacuated: 0.2 x 10E3
DA: 20/08/71		QY: 100
PD: R-rural	70a) AN: 3175 B	KW: COMPANY-Firm or company involved;
LO: HUNTINGTON; OHIO; USA	CR: SRD	NUISANCE-Nuisance (non-hazardous) caused by the
MN: DIESEL OIL	DA: 12/06/88	incident; RESPONSE-Emergency response to the
MT: LIQUID	PD: V-village	incident; PUBLIC-Public reaction to the incident;
MH: FI-fire	LO: DANBURY; ESSEX; UK	PHOTO-Hard copy contains photograph(s)
MC: 1223	MN: HEATING OIL	AB: PAINT FACTORY BURNT DOWN,
IT: RELEASE; POOLFIRE-pool-fire	MT: LIQUID	POSSIBILITY ARSON. WHITE SPIRIT,
OG: TRANSPORT; RAILTANKER-rail-tanker	MH: FI-fire	CREOSOTE, TURPS, LINSEED OIL, DIESEL,
NP: Killed: 0; Injured: 0; Evacuated:	MC: 1223	HEATING OIL, TAR, VARNISH, ALSO
GC: IMPACT-impact-failure	IT: FIRE; EXPLODE-explosion	OXYGEN CYLINDERS EXPLODED INJURING
SC: RAILACC-rail-accident,-no-other-vehicle	NP: Killed: ; Injured: 5; Evacuated: 0.2 x 10E3	3. NUMEROUS SMALL EXPLOSIONS,
AB: CONTENTS OF	QY: 100	FAMILIES EVACUATED. 35 ENGINES
ACRYLONITRILE/DIESEL OIL TANKERS	KW: COMPANY-Firm or company involved;	ATTENDED.
RELEASED FOLLOWING DERAILMENT OF 20	NUISANCE-Nuisance (non-hazardous) caused by the	RA: 2
WAGON TRAIN. ESCAPING CONTENTS	incident; RESPONSE-Emergency response to the	
ICNITED		

Edizione Ottobre 2006 Pag. 25 di 66





70c) AN: 3175 D	KW: COMPANY-Firm or company involved;	DA: / /72	
CR: SRD	NUISANCE-Nuisance (non-hazardous) caused by the	PD: R-rural	
DA: 12/06/88	incident; RESPONSE-Emergency response to the		
, ,	incident; RESPONSE-Emergency response to the incident; PUBLIC-Public reaction to the incident;	LO: ; QUEENSLAND; AUSTRALIA MN: DIESEL OIL	
, ,	PHOTO-Hard copy contains photograph(s) AB: PAINT FACTORY BURNT DOWN,		
	,	MH: FI-fire MC: 1223	
MT: PLGAS-pressurised-liquified-gas	POSSIBILITY ARSON. WHITE SPIRIT,		
MH: OX-oxidising; FI-fire	CREOSOTE, TURPS, LINSEED OIL, DIESEL,	IT: EXPLODE-explosion	
MC: 1072	HEATING OIL, TAR, VARNISH, ALSO	OG: TRANSPORT; ROADTANKER-road-	
IT: FIRE; EXPLODE-explosion	OXYGEN CYLINDERS EXPLODED INJURING	tanker	
NP: Killed: ; Injured: 5; Evacuated: 0.2 x 10E3	3. NUMEROUS SMALL EXPLOSIONS,	GC: EXTERNAL-external-events	
QY: 100	FAMILIES EVACUATED. 35 ENGINES	SC: EXTNLFIRE-fire; EXTNLEXP-explosion	
KW: COMPANY-Firm or company involved;	ATTENDED.	IS: FLAME-naked-flames; FLARE-flares	
NUISANCE-Nuisance (non-hazardous) caused by the	RA: 2	KW: PROGRESN-How the incident progressed	
incident; RESPONSE-Emergency response to the		or developed with time; MATPROPS-Properties of	
incident; PUBLIC-Public reaction to the incident;		the material(s) involved in the incident	
PHOTO-Hard copy contains photograph(s)	71) AN: 3019	AB: A SET OF ROAD WAGONS	
AB: PAINT FACTORY BURNT DOWN,	CR: SRD	CARRYING PRILLED AMMONIUM NITRATE	
POSSIBILITY ARSON. WHITE SPIRIT,	DA: 22/01/88	CAUGHT FIRE. THE AMMONIUM NITRATE	
CREOSOTE, TURPS, LINSEED OIL, DIESEL,	PD: T-town	MELTED, SOME RAN INTO THE ROAD.	
HEATING OIL, TAR, VARNISH, ALSO	LO: PICO RIVERA; CALIFORNIA; USA	DIESEL OIL ALSO BEING CARRIED CAUGHT	
OXYGEN CYLINDERS EXPLODED INJURING	MN: DIESEL OIL	FIRE. IT IS THOUGHT THAT THE VEHICLE	
3. NUMEROUS SMALL EXPLOSIONS,	MT: LIQUID	DIESEL TANK EXPLODED THEN THE	
FAMILIES EVACUATED. 35 ENGINES	MH: FI-fire	AMMONIUM NITRATE FOLLOWED.	
ATTENDED.	MC: 1223	RA: 1	
RA: 2	IT: CONTREL-continuous-release;		
	POOLFIRE-pool-fire		
	OG: TRANSPORT; RAILTANKER-rail-tanker	72b) AN: 3013	
70d) AN: 3175 A	NP: Killed: 1; Injured: 2; Evacuated:	DA: / /72	
CR: SRD	GC: IMPACT-impact-failure	PD: R-rural	
DA: 12/06/88	SC: RAILACC-rail-accident,-no-other-vehicle;	LO: ; QUEENSLAND; AUSTRALIA	
PD: V-village	VEHICLE-other-vehicle	MN: AMMONIUM NITRATE	
LO: DANBURY; ESSEX; UK	AB: TRAIN DERAILMENT SENT ENGINE	MT: SOLID	
MN: WHITE SPIRIT	& RAILCARS CAREERING INTO	MH: OX-oxidising; EX-explosive	
MT: LIQUID	RESIDENTIAL STREET. FLAMES/INTENSE	MC: 2072	
MH: FI-fire	HEAT AS AS DIESEL FUEL ESCAPING FROM	IT: EXPLODE-explosion	
MC: 1993	RAILCARS BURNED FOR 3 hours.	OG: TRANSPORT; ROADTANKER-road-	
IT: FIRE; EXPLODE-explosion	RA: 2	tanker	
NP: Killed: ; Injured: 5; Evacuated: 0.2 x 10E3		GC: EXTERNAL-external-events	
QY: 100		SC: EXTNLFIRE-fire; EXTNLEXP-explosion	
-	72a) AN: 3013	IS: FLAME-naked-flames; FLARE-flares	
	•		





KW: PROGRESN-How the incident progressed or developed with time; MATPROPS-Properties of the material(s) involved in the incident AB: A SET OF ROAD WAGONS CARRYING PRILLED AMMONIUM NITRATE CAUGHT FIRE. THE AMMONIUM NITRATE MELTED, SOME RAN INTO THE ROAD. DIESEL OIL ALSO BEING CARRIED CAUGHT FIRE. IT IS THOUGHT THAT THE VEHICLE DIESEL TANK EXPLODED THEN THE AMMONIUM NITRATE FOLLOWED.

73a) AN: 868 C CR: SRD

DA: 21/10/79 PD: R-rural

RA:

LO: FORT ST JOHN; BRITISH COLUMBIA; CANADA

MN: GASOLINE

MT: PLGAS-pressurised-liquified-gas

MH: FI-fire MC: 1075

IT: EXPLODE-explosion; FIRE

OG: TRANSPORT; RAILTANKER-rail-tanker

NP: Killed: 0; Injured: 0; Evacuated:

DG: US\$ <2 x 10E6

GC: EXTERNAL-external-events; IMPACT-impact-failure

SC: SABOTAGE-sabotage-or-vandalism; RAILACC-rail-accident,-no-other-vehicle

OY: 67

KW: COMPANY-Firm or company involved; EXTENT-Extent of the damage caused; NUISANCE-Nuisance (non-hazardous) caused by the incident; COMBUST-Details such as thermal flux at given distance; LEGALITY-Information on any laws which were broken or which were important mitigating factors

AB: 236,000gall PETROLEUM PRODUCTS (PETROL, DIESEL OIL, BUTANE) BURNED AFTER 11 LOADED TANKCARS ROLLED FROM A SIDING & DERAILED. 9 TANKCARS & 425m WOODEN BRIDGE APPROACH DESTROYED. 2 MEN CHARGED WITH PUBLIC MISCHIEF.

RA: 1

73b) AN: 868 B

CR: SRD
DA: 21/10/79
PD: R-rural

LO: FORT ST JOHN; BRITISH COLUMBIA;

CANADA

MN: DIESEL OIL
MT: LIQUID
MH: FI-fire
MC: 1223

IT: EXPLODE-explosion; FIRE

OG: TRANSPORT; RAILTANKER-rail-tanker

NP: Killed: 0; Injured: 0; Evacuated:

DG: US\$ <2 x 10E6

GC: EXTERNAL-external-events; IMPACT-

impact-failure

SC: SABOTAGE-sabotage-or-vandalism; RAILACC-rail-accident,-no-other-vehicle

OY: 250

KW: COMPANY-Firm or company involved;

EXTENT-Extent of the damage caused;

NUISANCE-Nuisance (non-hazardous) caused by the incident; COMBUST-Details such as thermal flux at given distance; LEGALITY-Information on any laws which were broken or which were important mitigating factors

AB: 236,000gall PETROLEUM PRODUCTS (PETROL, DIESEL OIL, BUTANE) BURNED AFTER 11 LOADED TANKCARS ROLLED FROM A SIDING & DERAILED. 9 TANKCARS & 425m WOODEN BRIDGE APPROACH

DESTROYED. 2 MEN CHARGED WITH PUBLIC MISCHIEF.

RA: 1

73c) AN: 868 A

CR: SRD
DA: 21/10/79
PD: R-rural

LO: FORT ST JOHN; BRITISH COLUMBIA;

CANADA

MN: GASOLINE
MT: LIQUID
MH: FI-fire
MC: 1270

IT: EXPLODE-explosion; FIRE

OG: TRANSPORT; RAILTANKER-rail-tanker

NP: Killed: 0; Injured: 0; Evacuated:

DG: US\$ <2 x 10E6

GC: EXTERNAL-external-events; IMPACT-

impact-failure

SC: SABOTAGE-sabotage-or-vandalism; RAILACC-rail-accident,-no-other-vehicle

OY: 402

KW: COMPANY-Firm or company involved;

EXTENT-Extent of the damage caused;

NUISANCE-Nuisance (non-hazardous) caused by the incident; COMBUST-Details such as thermal flux at given distance; LEGALITY-Information on any laws which were broken or which were important mitigating factors

AB: 236,000gall PETROLEUM PRODUCTS (PETROL, DIESEL OIL, BUTANE) BURNED AFTER 11 LOADED TANKCARS ROLLED FROM A SIDING & DERAILED. 9 TANKCARS & 425m WOODEN BRIDGE APPROACH DESTROYED. 2 MEN CHARGED WITH PUBLIC MISCHIEF.

RA: 1

Edizione Ottobre 2006 Pag. 27 di 66





74)	AN: 2752				
CR:	SRD				
DA:	02/01/88				
PD:	T-town				
LO:	FLOREFFE; PENNSYLVANIA; USA				
MN:	DIESEL OIL				
MT:	LIQUID				
MH:	FI-fire				
MC:	1223				
IT:	INSTREL-instantaneous-release; POOL-				
pool-of-	liquid-formed				
OG:	STORAGE-storage-plant; ASVESSEL-				
storage-v	vessels,-atmospheric-pressure				
NP:	Killed: 0; Injured: 0; Evacuated:				
DG:	US\$ 0.4 x 10E6				
GC:	HUMAN-human-factor; MECHANICAL-				
mechani	cal-failure				
SC:	CONSTRUCT-construction-error;				
WELDF	FAIL-weld-failure; BRITTLE-brittle-failure				
QY:	14200				
IS:	NONIGNITE-non-ignition-of-flammable-				
materials	3				
KW:	AFTER-After effects such as clear up,				
survival	of injured, etc.; PHOTO-Hard copy contains				
	photograph(s); WEATHER-Weather conditions at the				
time of,	or during, the incident; ENVIRMNT-				
	mental impact of the incident (natural				
environn	nent); AREA-Size of the area affected				
AB:	REASSEMBLED 40 YEAR OLD				
STORA	GE TANK FAILED				
CATASTROPHICALLY DURING FIRST REFILL.					
3.9E*6ga	all DIESEL OIL RELEASED OF WHICH				
	all OVERTOPPED DYKES & FLOWED				
	IVER CAUSING SERIOUS DISRUPTION				
TO WA	TER SUPPLIES & ENVIRONMENT.				
RA:	>10				
75a)	AN: 2584 B				
CR:	SRD				
DA:	04/12/57				

LO:	MERAUX; LOUISIANA; USA				
MN:	DIESEL OIL				
MT:	LIQUID				
MH:	FI-fire				
MC:	1223				
T:	INSTREL-instantaneous-release;				
	RE-pool-fire				
OG:	STORAGE-storage-plant; ASVESSEL-				
	essels,-atmospheric-pressure				
NP:	Killed: 1; Injured: 0; Evacuated:				
OG:	US\$ 1 x 10E6				
GC:	EXTERNAL-external-events				
SC:	EXTNLFIRE-fire				
OY:	1600				
ζW:	PHOTO-Hard copy contains				
	ph(s); RESPONSE-Emergency response to				
	ent; COMPANY-Firm or company involved;				
	-ON-Describes any knock-on or domino				
	ets caused				
AB:	OPERATOR CLOSED VALVE ON				
	O 14000bbl ABOVE-GROUND PETROL				
STORAGE. TANK COLLAPSED & PETROL					
	PREAD OVER BUND INTO				
ADJACENT STORAGE AREAS. ENSUING FIRE					
	ED 8 TANKS CONTAINING				
	/DIESEL OIL. BURNING LIQUID				
SPREAD					
RA:	1				
75b)	AN: 2584 A				
CR:	SRD				
DA:	04/12/57				
LO:	MERAUX; LOUISIANA; USA				
MN:	GASOLINE				
MT:	LIQUID				
MH:	FI-fire				
MC:	1270				
Т:	INSTREL-instantaneous-release;				
	RE-pool-fire				
COLLI	Poor me				

OG: STORAGE-storage-plant; ASVESSELstorage-vessels,-atmospheric-pressure NP: Killed: 1; Injured: 0; Evacuated: DG: US\$ 1 x 10E6 GC: MECHANICAL-mechanical-failure SC: METALLURG-other-metallurgical-failure OY: 7000 KW: PHOTO-Hard copy contains photograph(s); RESPONSE-Emergency response to the incident; COMPANY-Firm or company involved; KNOCK-ON-Describes any knock-on or domino type effects caused OPERATOR CLOSED VALVE ON LINE TO 14000bbl ABOVE-GROUND PETROL STORAGE. TANK COLLAPSED & PETROL WAVE SPREAD OVER BUND INTO ADJACENT STORAGE AREAS. ENSUING FIRE **INVOLVED 8 TANKS CONTAINING** PETROL/DIESEL OIL. BURNING LIQUID SPREAD 300ft. RA: 1 76) AN: 1709 B CR: SRD DA: 27/09/78 LO: OVIEDO; ASTURIAS; SPAIN MN: DIESEL OIL LIQUID MT: FI-fire MH: MC: 1223 IT: EXPLODE-explosion OG: TRANSPORT; RAILTANKER-rail-tanker NP: Killed: 7; Injured: 0; Evacuated: GC: SERVICE-services-failure SC: ELECTRIC-electricity IS: ELECTRIC-electric-sparks; VEHICLEvehicle-electrics AB: ELECTRIC TRAIN PULLING 13 TANK CARS WAS STOPPED IN TUNNEL BY POWER FAILURE. EXPLOSION OCCURRED WHEN





DIEGEL ENWEDED WINNEL TO DUCLE OUT	LO MEDANIAREA NORTH CHARATRA	LAW ADVICE C
DIESEL ENTERED TUNNEL TO PUSH OUT	LO: MEDAN AREA; NORTH SUMATRA;	KW: ADVICE-Contains recommendations to
ELECTRIC TRAIN.	INDONESIA	prevent repetitions of the incident; DISPERSE-
RA: 1	MN: DIESEL OIL	Dispersion of material; ENQUIRY-Investigations,
	MT: LIQUID	public enquiries, etc., into the incident; PRODESC-
77\ ANI 4570 A	MH: FI-fire	Contains a description of the process as usually
77) AN: 1570 A	MC: 1223	undertaken at the site of the incident
CR: SRD	IT: FIRE	AB: TANKER "POINTSMAN" IN MILFORD
DA: 24/09/77	OG: TRANSPORT; RAILTANKER-rail-tanker	HAVEN FOR MAINTENANCE CERTIFIED GAS
LO: ROMEOVILLE; ILLINOIS; USA	NP: Killed: >2; Injured: ; Evacuated:	FREE. EXPLOSION OCCURRED WHEN
MN: DIESEL OIL	GC: IMPACT-impact-failure	WORKERS LIT ACETYLENE TORCH
MT: LIQUID	SC: RAILACC-rail-accident,-no-other-vehicle	IGNITING GAS OIL/MOTOR SPIRIT
MH: FI-fire	KW: COMBUST-Details such as thermal flux at	VAPOURS. 2 FURTHER EXPLOSIONS INJURED
MC: 1223	given distance	FIREFIGHTERS.
IT: TANKFIRE-tank-fire	AB: 2 FREIGHT TRAINS COLLIDED, 1	RA: 4
OG: STORAGE-storage-plant; ASVESSEL-	CARRYING 14 WAGONS OF DIESEL, THE	
storage-vessels,-atmospheric-pressure	OTHER CARRYING VEGETABLE OIL. THE	00) 434 000
NP: Killed: 0; Injured: 0; Evacuated: 0 x 10E3	TANKER TRAIN WITH 14 WAGONS OF	80) AN: 888
DG: US\$ >8.4 x 10E6	DIESEL RAN INTO THE OTHER TRAIN. THE	CR: SRD
GC: EXTERNAL-external-events	BURNING FUEL SENT FLAMES MORE THAN	DA: 20/08/79
SC: LIGHTNING	200M INTO THE AIR.	PD: R-rural
QY: <32000	RA: 1	LO: CHALINZE; ; TANZANIA
IS: ELECTRIC-electric-sparks; STATIC-static-		MN: DIESEL OIL
including-lightning		MT: LIQUID
KW: COMPANY-Firm or company involved;	79) AN: 1011	MH: FI-fire
RESPONSE-Emergency response to the incident;	CR: SRD	MC: 1223
KNOCK-ON-Describes any knock-on or domino	DA: 15/06/84	IT: POOL-pool-of-liquid-formed;
type effects caused	PD: R-rural	POOLFIRE-pool-fire
AB: FIRE BEGAN EARLY MORNING	LO: MILFORD HAVEN; DYFED; UK	OG: TRANSPORT; PIPELINE
WHEN LIGHTNING STRUCK 11 MILLION gall	MN: DIESEL OIL	GC: MECHANICAL-mechanical-failure;
DIESEL FUEL TANK AT UNION OIL CO.	MT: LIQUID	EXTERNAL-external-events
REFINERY. FIRE SPREAD TO 2 TANKS	MH: FI-fire	SC: CORRODE
CONTAINING 16.5 MILLION GALLS	MC: 1223	IS: HOTSURFACE-hot-surface;
GASOLINE. FIRES EXTINGUISHED BY 2400	IT: EXPLODE-explosion	CIGARETTE
26/09/77.	OG: TRANSPORT; SHIP	KW: TIMING-Timing of the incident, time of
RA: 1	NP: Killed: 4; Injured: 17; Evacuated:	day, shift, handover, lunch break, etc.; NUISANCE-
	GC: HUMAN-human-factor; PROCOND-	Nuisance (non-hazardous) caused by the incident
	upset-process-conditions	AB: 1700 KM PIPELINE FROM DAR-ES-
78) AN: 1309	SC: GENERALOP-general-operational;	SALAAM TO ZAMBIA COPPER BELT. LEAK
CR: SRD	DRAINACC-draining-accident	CAUSED BY CORROSIVE SOIL, LED TO 2 KM
DA: 14/02/86	QY: 6	STREAM OF OIL. PEASANT IGNITED WITH
	IS: FLAME-naked-flames; FLARE-flares	CIGARETTE IN MORNING WHILE GOING TO

prevent	repetitions of the incident; DISPERSE-			
	sion of material; ENQUIRY-Investigations,			
	enquiries, etc., into the incident; PRODESC-			
	ns a description of the process as usually			
	ken at the site of the incident			
AB:	TANKER "POINTSMAN" IN MILFORD			
	N FOR MAINTENANCE CERTIFIED GAS			
	EXPLOSION OCCURRED WHEN			
	ERS LIT ACETYLENE TORCH			
	ING GAS OIL/MOTOR SPIRIT			
	URS. 2 FURTHER EXPLOSIONS INJURED			
	IGHTERS.			
RA:	4			
14.11	•			
80)	AN: 888			
CŔ:	SRD			
DA:	20/08/79			
PD:	R-rural			
LO:	CHALINZE; ; TANZANIA			
MN:	DIESEL OIL			
MT:	LIQUID			
MH:	FI-fire			
MC:	1223			
IT:	POOL-pool-of-liquid-formed;			
	FIRE-pool-fire			
OG:	TRANSPORT; PIPELINE			
GC:	MECHANICAL-mechanical-failure;			
EXTERNAL-external-events				
SC:	CORRODE			
IS:	HOTSURFACE-hot-surface;			
CIGARETTE				
KW:	TIMING-Timing of the incident, time of			
day, shift, handover, lunch break, etc.; NUISANCE-				
Nuisance (non-hazardous) caused by the incident				
AB:	1700 KM PIPELINE FROM DAR-ES-			
SALAAM TO ZAMBIA COPPER BELT. LEAK				
	ED BY CORROSIVE SOIL, LED TO 2 KM			
STREAM OF OIL. PEASANT IGNITED WITH				





	S. ZAMBIA LEFT WITH 10 DAYS STOCK.	OG: WAREHOUSE; ASVESSEL-storage-	LO: RIVERPORT; NOVA SCOTIA;
	WEST OF DAR-ES-SALAAM.	vessels,-atmospheric-pressure	CANADA
RA:	1	DG: US\$ 1 x 10E6	MN: DIESEL OIL
		QY: 9	MT: LIQUID
		KW: COMPANY-Firm or company involved;	MH: FI-fire
81)	AN: 769	DURATION-Duration of the incident; KNOCK-	MC: 1223
CR:	SRD	ON-Describes any knock-on or domino type effects	IT: RELEASE; CONTREL-continuous-release
DA:	03/07/79	caused; AREA-Size of the area affected	OG: STORAGE-storage-plant; ASVESSEL-
PD:	T-town	AB: TEXTILE WAREHOUSE OF WILLIAM	storage-vessels,-atmospheric-pressure
LO:	EDINBURGH; LOTHIAN; UK	HALLEY + SONS LTD. WILL HAVE TO BE	NP: Killed: 0; Injured: 0; Evacuated:
MN:	DIESEL OIL	DEMOLISHED. FIRE INVOLVING FUEL	GC: EXTERNAL-external-events
MT:	LIQUID	STORE FOR OVER 24 HOURS. FIREBRANDS	SC: HIGHWINDS-high-winds
MH:	FI-fire	STARTED SMALLER OUTBREAKS AT UP TO	IS: NONIGNITE-non-ignition-of-flammable-
MC:	1223	1/2 MILE. FIREMEN AT SCENE FOR SEVERAL	materials
IT:	FIRE	DAYS. 3 STOREY BUILDING . PRODUCTION	KW: COMPANY-Firm or company involved;
OG:	PROCESS-process-plant;	NOT AFFECTED.	DESIGN-Design of plant equipment
HEAT	XCHANG-heat-exchangers	RA: 1	AB: TWO DIESEL STORAGE TANKS, ONE
NP:	Killed: 0; Injured: 0; Evacuated: 0.2 x 10E3		FILLED TO CAPACITY THE OTHER HALF
DG:	US\$ >0.1 x 10E6		FULL, TOPPLED INTO HARBOUR. SOME OIL
GC:	HUMAN-human-factor	83) AN: 492	SEEPED OUT. ONE TANK COMPLETELY
SC:	GENERALOP-general-operational	CR: SRD	SUBMERGED. FULL TANK WAS 20ft HIGH,
IS:	FLAME-naked-flames	DA: 03/02/79	MORE THAN 10ft IN DIAMETER &
KW:	COMPANY-Firm or company involved	LO: ;; UGANDA	CONTAINED ABOUT 30000gall OIL.
AB:	OXY-ACETYLENE EQUIPMENT	MN: DIESEL OIL	RA: 1
	ED SPILLED DIESEL OIL. 200 WORKERS	MT: LIQUID	
	LORIMER'S BREWERY, ST LEONARDS	MH: FI-fire	
	FIREMEN. PRODUCTION NOT	MC: 1223	85) AN: 102
	TED. FIRE IN BOILER HOUSE.	OG: STORAGE-storage-plant; ASVESSEL-	CR: SRD
RA:	1	storage-vessels,-atmospheric-pressure	DA: 03/01/77
		GC: EXTERNAL-external-events	LO: BILLINGS; MONTANA; USA
82)	AN: 533	SC: SABOTAGE-sabotage-or-vandalism	MN: DIESEL OIL
CŔ:	SRD	KW: COMPANY-Firm or company involved	MT: LIQUID
DA:	02/03/79	AB: BOMB ATTACK CAUSED DAMAGE	MH: FI-fire
PD:	T-town	TO BULK DIESEL OIL TANK OPERATED BY	MC: 1223
LO:	DUNDEE; TAYSIDE; UK	TOTAL IN UGANDA (FRENCH COMPANY)	IT: EXPLODE-explosion; FIRE
MN:	DIESEL OIL	RA: 1	OG: PROCESS-process-plant; PIPEWORK
MT:	LIQUID		NP: Killed: 0; Injured: 1; Evacuated:
MH:	FI-fire		GC: MECHANICAL-mechanical-failure
MC:	1223	84) AN: 379	KW: COMPANY-Firm or company involved
IT:	FIRE	CR: SRD	AB: 2 EXPLOSIONS AT EXXON
		DA: 11/10/71	REFINERY, RESULTING FIRE BROUGHT
		21/10//1	in in the contract of the broothing





UNDER CONTROL SEVERAL HOURS AFTER OUTBREAK. CAUSE OF IGNITION UNKNOWN.

RA: 1

86) AN: 92 CR: SRD

DA: 09/05/70

LO: LAKE MARACAIBO; TEXAS; USA

MN: DIESEL OIL
MT: LIQUID
MH: FI-fire

MC: 1223 IT: FIRE

OG: PROCESS-process-plant; PIPEWORK NP: Killed: ; Injured: >1; Evacuated:

KW: COMPANY-Firm or company involved AB: FIRE ERUPTED FROM DIESEL FUEL LINE CAUSING MODERATE DAMAGE AND INJURED SEVERAL WORKMEN ON THE OFFSHORE CO'S RIG NO. 60.

RA: 1

Edizione Ottobre 2006 Pag. 31 di 66





ME	CASE HISTORIES: DIESEL FUEL 1) AN: 9788	2) AN: 9787 ME: N CR: AEA DA: 08/06/1999	SC: MAINTAIN general-maintenance KW: COMPANY Firm or company involved; TIMING Timing of the incident, time of day, shift, handover, lunch break, etc. AB: A FIRE SEVERELY DAMAGED
Discrimination Disc	ME: A-; Y		ZAMBIAS ONLY REFINERY. THE FIRE
AUSTRALIA; NEW SOUTH WALES; MC. 1223 123		MN: DIESEL FUEL	
PAMBULA	, ,		
MN: DIESEL FUEL OG: TRANSPORT transport; BARGE CAUSING BIG DISRUPTION TO THE	, , , , , , , , , , , , , , , , , , , ,		
MI: FI fire			· · · · · · · · · · · · · · · · · · ·
MC: 1223 SC: HISHWINDS high-winds RA: 4 IT: CONTREL continuous-release; FIRE fire QY: 9.00 ID: 19990517 ROADTANKER road-tanker IR: 2 ROE: IMPACT impact-failure A FUEL BARGE SUNK AT A FERRY ME: N SC: ROADACC road-accident,-no-other-wehicle TEXPHOON 'MAGGIE'. DA: 13/05/1999 KW: DURATION Duration of the incident, IR: 2 ROY: <35.00 TERMINAL THE BARGE SUNK AT A FERRY ME: N RA: 2 PD: Uurban TIMING Timing of the incident, time of day, shift, ID: 19990608 LO: USA; CALIFORNIA; SAN JOSE RA: A TANKER CARRYING DIESEL AND PETROL CRASHED AND BURST INTO S) AN: 9757 OG: TRANSPORT transport; RAILTANKER FLAMES. 38000 OF CARGO WAS SPILT INTO ME: N FLAMES. 38000 OF CARGO WAS SPILT INTO MI: N FLAMES. WOYSTER BEDS. LARGE DA: 17/05/1999 SC: RAILACC rail-accident,-no-other-vehicle CONTAINMENT BOOMS WERE PLACED BY LO: ZAMBIA; NDOLA IS: NONIGNITE non-ignition-of-flammable-materials BURNS. THE DRIVER SUFFERED MINOR MC: 1223 STREETS AFTER AN ENGINE AND SEVERAL ID: 19990608 IT: FIRE fire- IR: 2 AB: DIESEL FUEL RA: 2 STREETS AFTER AN ENGINE AND SEVERAL ID: 19990608 IT: FIRE fire- IP: 1999 OG: PROCESS PROCESS; PIPEWORK MATERIALS TEAMS CLEANED UP. IR: 1 19990513 IR: 1 19990513			
TEANSPORT transport; St. NONIGNITE non-ignition-of-flammable 19990517 19990513 19990517			
OG: TRANSPORT transport-; Si: NONIGNITE non-ignition-of-flammable IN: 1999			
ROADTANKER road-tanker NP: Killed: -; Injured: 1; Evacuated: - NP: Killed: -; Injured: 1; Evacuated: - AB: 10m3 OF LIGHT DIESEL SPILT AFTER AB: 10m3 OF LIGHT DIESEL SPILT AFTER AB: 10m3 OF LIGHT DIESEL SPILT AFTER AR: 0 SC: ROADACC road-accident,-no-other-vehicle QY: <35.00 TYPHOON 'MAGGIE'. TOWN MAGGIE'. TOWN			
NP: Killed: -; Injured: 1; Evacuated: - GC: IMPACT impact-failure SC: ROADAC road-accident,-no-other-vehicle QY: <35.00 TERMINAL. THE BARGE SUNK AT A FERRY ME: N CV: DURATION Duration of the incident; RA: 2 TIMING Timing of the incident, time of day, shift, Inadover, lunch break, etc.; ENVIRMNT IY: 1999 NR: 0757 AB: 19990608 IC: USA; CALIFORNIA; SAN JOSE IT: CONTREL continuous-release PETROL CRASHED AND BURST INTO THE RIVER YOWAKA, THREATENING NEARBY OYSTER BEDS. LARGE NEARBY OYSTER BEDS. LARGE DA: 17/05/1999 NR: DIESEL FUEL CONTAINMENT BOOMS WERE PLACED BY CREWS. THE DRIVER SUFFERED MINOR BURNS. RA: 2 MC: 1223 NC: ABBL AND SUFFERED MINOR BURNS. RA: 2 MC: ABBL AND SUFFERED MINOR BURNS. RA: 2 MC: ABBL AND SUFFERED MINOR BURNS. RA: 1999 NC: ABBL AND SUFFERED MINOR BURNS. RA: 2 NC: ABBL AND SUFFERED MINOR MC: 1223 STREETS AFTER AN ENGINE AND SEVERAL BURNS. RA: 1999 NC: PROCESS process; PIPEWORK MATERIALS TEAMS CLEANED UP. RR: 1 19990513	1 /		
GC: IMPACT impact-failure SC: ROADACC road-accident,-no-other-vehicle QY: <35.00 KW: DURATION Duration of the incident; Impact of the incident, time of day, shift, Indicator, lunch break, etc.; ENVIRMNT Environmental impact of the incident (natural environment) AB: A TANKER CARRYING DIESEL AND PETROL CRASHED AND BURST INTO FLAMES. 38000I OF CARGO WAS SPILT INTO ME: N ME: N ME: N AFUEL BARGE SUNK AT A FERRY ME: N TYPHOON 'MAGGIE'. DA: 13/05/1999 PD: U urban ILO: USA; CALIFORNIA; SAN JOSE MN: DIESEL FUEL MC: 1223 IT: CONTREL continuous-release PETROL CRASHED AND BURST INTO AB: A TANKER CARRYING DIESEL AND PETROL CRASHED AND BURST INTO FLAMES. 38000I OF CARGO WAS SPILT INTO ME: N ME: N THE RIVER YOWAKA, THREATENING CR: AEA GC: IMPACT impact-failure NEARBY OYSTER BEDS. LARGE DA: 17/05/1999 SC: RAILACC rail-accident,-no-other-vehicle CONTAINMENT BOOMS WERE PLACED BY LO: ZAMBIA; NDOLA IS: NONIGNITE non-ignition-of-flammable- RURNS. BURNS. BURNS. RA: 2 1999 OG: PROCESS process-; PIPEWORK MATERIALS TEAMS CLEANED UP. IR: 1 1999 OG: PROCESS process-; PIPEWORK MATERIALS TEAMS CLEANED UP. IR: 1 10: 19990513	NP: Killed:; Injured: 1; Evacuated:		
SC: ROADACC road-accident,-no-other-vehicle QY: <35.00 TYPHOON 'MAGGIE'. RA: 2 PD: U urban TIMING Timing of the incident, time of day, shift, ID: 19990608 ID: MR: DIESEL FUEL AB: A TANKER CARRYING DIESEL AND PETAMES. 38000I OF CARGO WAS SPILT INTO HE RIVER YOWAKA, THREATENING NEARBY OYSTER BEDS. LARGE CONTAINMENT BOOMS WERE PLACED BY CREWS. THE DRIVER SUFFERED MINOR BURNS. BURNS. RA: 2 ROBERT OF ROBE	GC: IMPACT impact-failure		,
QY: <35.00 KW: DURATION Duration of the incident; RA: 2 PD: U urban TIMING Timing of the incident, time of day, shift, handover, lunch break, etc.; ENVIRMNT IV: 1999 MN: DIESEL FUEL Environmental impact of the incident (natural environment) AB: A TANKER CARRYING DIESEL AND PETROL CRASHED AND BURST INTO FLAMES. 380001 OF CARGO WAS SPILT INTO ME: N THE RIVER YOWAKA, THREATENING NEARBY OYSTER BEIDS. LARGE CONTAINMENT BOOMS WERE PLACED BY CONTAINMENT BOOMS WERE PLACED BY CREWS. THE DRIVER SUFFERED MINOR BURNS. BURNS			
KW: DURATION Duration of the incident; RA: 2 TIMING Timing of the incident, time of day, shift, handover, lunch break, etc.; ENVIRMNT ID: 19990608 Environmental impact of the incident (natural environment) AB: A TANKER CARRYING DIESEL AND PETROL CRASHED AND BURST INTO FLAMES. 380001 OF CARGO WAS SPILT INTO THE RIVER YOWAKA, THREATENING CR: AEA NEARBY OYSTER BEDS. LARGE NEARBY OYSTER BEDS. LARGE CONTAINMENT BOOMS WERE PLACED BY CREWS. THE DRIVER SUFFERED MINOR BURNS. BURNS. BURNS. HH: FI fire AB: DIESEL LEAKED ONTO CITY RA: 2 DI: 19990608 TI: FIRE fire- FIRE CARS DERAILED. HAZARDOUS FIRE 1 1 NP: Killed: -; Injured: 2; Evacuated: QR: 34 MECHANICAL mechanical-failure; ID: 19990513			
handover, lunch break, etc.; ENVIRMNT Environmental impact of the incident (natural environment) AB: A TANKER CARRYING DIESEL AND PETROL CRASHED AND BURST INTO FLAMES. 38000I OF CARGO WAS SPILT INTO ME: N THE RIVER YOWAKA, THREATENING NEARBY OYSTER BEDS. LARGE CONTAINMENT BOOMS WERE PLACED BY CREWS. THE DRIVER SUFFERED MINOR BURNS. MH: FI fire MC: 1223 IT: CONTREL continuous-release IT: CONTREL continuous-release Rail-tanker Rail-tanker SC: IMPACT impact-failure SC: RAILACC rail-accident,-no-other-vehicle CONTAINMENT BOOMS WERE PLACED BY CREWS. THE DRIVER SUFFERED MINOR MN: DIESEL FUEL MH: FI fire AB: DIESEL LEAKED ONTO CITY RA: 2 ID: 19990608 IT: FIRE fire- IT: FIRE fire- FUEL CARS DERAILED. HAZARDOUS IT: FIRE fire- IT: FIRE fire- IT: FIRE IN- IT	,		
Environmental impact of the incident (natural environment) AB: A TANKER CARRYING DIESEL AND PETROL CRASHED AND BURST INTO OF LAMES. 380001 OF CARGO WAS SPILT INTO OF LAMES. 38001 OF CARGO WAS ALLIAS TO THE CARGO WAS ALLIAS T		ID: 19990608	LO: USA; CALIFORNIA; SAN JOSE
environment) AB: A TANKER CARRYING DIESEL AND PETROL CRASHED AND BURST INTO PETROL CRASHED AND BURST INTO Signal of the RIVER YOWAKA, THREATENING NEARBY OYSTER BEDS. LARGE CONTAINMENT BOOMS WERE PLACED BY CREWS. THE DRIVER SUFFERED MINOR BURNS. BU		IY: 1999	MN: DIESEL FUEL
AB: A TANKER CARRYING DIESEL AND PETROL CRASHED AND BURST INTO PETROL CRASHED AND BURST INTO SITE CONTREL continuous-release OG: TRANSPORT transport-; RAILTANKER FLAMES. 380001 OF CARGO WAS SPILT INTO ME: N THE RIVER YOWAKA, THREATENING NEARBY OYSTER BEDS. LARGE NEARBY OYSTER BEDS. LARGE DA: 17/05/1999 SC: RAILACC rail-accident,-no-other-vehicle CONTAINMENT BOOMS WERE PLACED BY CREWS. THE DRIVER SUFFERED MINOR BURNS. MH: DIESEL FUEL MH: FI fire AB: DIESEL LEAKED ONTO CITY RA: 2 ID: 19990608 IT: FIRE fire- IY: 1999 OG: PROCESS process-; PIPEWORK IR: 1 QR: 34 GC: MECHANICAL mechanical-failure; ID: 19990513		QR: 9	MH: FI fire
PETROL CRASHED AND BURST INTO 3) AN: 9757 OG: TRANSPORT transport-; RAILTANKER FLAMES. 380001 OF CARGO WAS SPILT INTO ME: N THE RIVER YOWAKA, THREATENING NEARBY OYSTER BEDS. LARGE NEARBY OYSTER BEDS. LARGE ONTAINMENT BOOMS WERE PLACED BY CONTAINMENT BOOMS WERE PLACED BY CREWS. THE DRIVER SUFFERED MINOR MN: DIESEL FUEL BURNS. MH: FI fire AB: DIESEL LEAKED ONTO CITY RA: 2 ID: 19990608 IT: FIRE fire- IT: FIRE fire- IP: 1999 OG: TRANSPORT transport-; RAILTANKER rail-tanker GC: IMPACT impact-failure SC: RAILACC rail-accident,-no-other-vehicle IS: NONIGNITE non-ignition-of-flammable- materials BURNS. BURNS. THE DRIVER SUFFERED MINOR MN: DIESEL FUEL STREETS AFTER AN ENGINE AND SEVERAL ID: 19990608 IT: FIRE fire- FUEL CARS DERAILED. HAZARDOUS IY: 1999 OG: PROCESS process-; PIPEWORK MATERIALS TEAMS CLEANED UP. IR: 1 QR: 34 GC: MECHANICAL mechanical-failure; ID: 19990513	,		
FLAMES. 380001 OF CARGO WAS SPILT INTO ME: N THE RIVER YOWAKA, THREATENING NEARBY OYSTER BEDS. LARGE NEARBY OYSTER BEDS. LARGE CONTAINMENT BOOMS WERE PLACED BY CONTAINMENT BOOMS WERE PLACED BY CREWS. THE DRIVER SUFFERED MINOR BURNS. MH: FI fire ME: N CR: AEA GC: IMPACT impact-failure SC: RAILACC rail-accident,-no-other-vehicle IS: NONIGNITE non-ignition-of-flammable- materials BURNS. MH: FI fire AB: DIESEL LEAKED ONTO CITY RA: 2 MC: 1223 STREETS AFTER AN ENGINE AND SEVERAL ID: 19990608 IT: FIRE fire- IY: 1999 OG: PROCESS process-; PIPEWORK IR: 1 OR: 34 GC: MECHANICAL mechanical-failure; ID: 19990513			
THE RIVER YOWAKA, THREATENING CR: AEA NEARBY OYSTER BEDS. LARGE CONTAINMENT BOOMS WERE PLACED BY CREWS. THE DRIVER SUFFERED MINOR BURNS. MH: FI fire MC: 1223 MC: 1223 MC: 1223 MC: 1223 MC: 1223 MC: 19990608 IT: FIRE fire- IY: 1999 OG: PROCESS process-; PIPEWORK IR: 1 QR: 34 GC: IMPACT impact-failure GC: RAILACC rail-accident,-no-other-vehicle SC: RAILACC rail-accident,-no-other-vehicle SC: RAILACC rail-accident,-no-other-vehicle IS: NONIGNITE non-ignition-of-flammable- materials NONIGNITE non-ignition-of-flammable- materials FUEL CARS DERAILED. HAZARDOUS FUEL CARS DERAILED. HAZARDOUS IY: 1999 OG: PROCESS process-; PIPEWORK MATERIALS TEAMS CLEANED UP. RA: 2 QR: 34 GC: MECHANICAL mechanical-failure; ID: 19990513			· · · · · · · · · · · · · · · · · ·
NEARBY OYSTER BEDS. LARGE CONTAINMENT BOOMS WERE PLACED BY CONTAINMENT BOOMS WERE PLACED BY CREWS. THE DRIVER SUFFERED MINOR BURNS. MH: FI fire AB: DIESEL LEAKED ONTO CITY RA: 2 ID: 19990608 IT: FIRE fire- IY: 1999 OG: PROCESS process-; PIPEWORK IR: 1 QR: 34 GC: MECHANICAL mechanical-failure; OC: RAILACC rail-accident,-no-other-vehicle SC: RAILACC rail-accident,-no-other-vehicle IS: NONIGNITE non-ignition-of-flammable- materials NONIGNITE non-ignition-of-flammable- materials FUEL CARS DERAILED. HAZARDOUS IT: FIRE fire- FUEL CARS DERAILED. HAZARDOUS IX: 1999 IX: 1999 OG: PROCESS process-; PIPEWORK IX: 1 NP: Killed:; Injured: 2; Evacuated: RA: 2 ID: 19990513			
CONTAINMENT BOOMS WERE PLACED BY LO: ZAMBIA; NDOLA IS: NONIGNITE non-ignition-of-flammable-crews. THE DRIVER SUFFERED MINOR MN: DIESEL FUEL materials BURNS. MH: FI fire AB: DIESEL LEAKED ONTO CITY RA: 2 MC: 1223 STREETS AFTER AN ENGINE AND SEVERAL ID: 19990608 IT: FIRE fire-FUEL CARS DERAILED. HAZARDOUS IY: 1999 OG: PROCESS process-; PIPEWORK MATERIALS TEAMS CLEANED UP. IR: 1 NP: Killed:; Injured: 2; Evacuated:RA: 2 QR: 34 GC: MECHANICAL mechanical-failure; ID: 19990513	· · · · · · · · · · · · · · · · · · ·		
CREWS. THE DRIVER SUFFERED MINOR MN: DIESEL FUEL MH: FI fire AB: DIESEL LEAKED ONTO CITY RA: 2 MC: 1223 STREETS AFTER AN ENGINE AND SEVERAL ID: 19990608 IT: FIRE fire- IY: 1999 OG: PROCESS process-; PIPEWORK MATERIALS TEAMS CLEANED UP. IR: 1 QR: 34 GC: MECHANICAL mechanical-failure; IS: NONIGNTIE non-ignition-of-nanimable materials materials MH: FI fire AB: DIESEL LEAKED ONTO CITY FUEL CARS DERAILED. HAZARDOUS MATERIALS TEAMS CLEANED UP. RA: 2 ID: 19990513		, ,	
BURNS. MH: FI fire AB: DIESEL LEAKED ONTO CITY RA: 2 MC: 1223 STREETS AFTER AN ENGINE AND SEVERAL ID: 19990608 IT: FIRE fire-FUEL CARS DERAILED. HAZARDOUS IY: 1999 OG: PROCESS process-; PIPEWORK MATERIALS TEAMS CLEANED UP. IR: 1 NP: Killed:; Injured: 2; Evacuated:RA: 2 QR: 34 GC: MECHANICAL mechanical-failure; ID: 19990513		· · · · · · · · · · · · · · · · · · ·	
RA: 2 MC: 1223 STREETS AFTER AN ENGINE AND SEVERAL ID: 19990608 IT: FIRE fire- FUEL CARS DERAILED. HAZARDOUS IY: 1999 OG: PROCESS process-; PIPEWORK MATERIALS TEAMS CLEANED UP. IR: 1 NP: Killed:; Injured: 2; Evacuated: RA: 2 OR: 34 GC: MECHANICAL mechanical-failure; ID: 19990513			
ID: 19990608 IT: FIRE fire- FUEL CARS DERAILED. HAZARDOUS IY: 1999 OG: PROCESS process-; PIPEWORK MATERIALS TEAMS CLEANED UP. IR: 1 NP: Killed:; Injured: 2; Evacuated: RA: 2 QR: 34 GC: MECHANICAL mechanical-failure; ID: 19990513			
IY:1999OG:PROCESS process-; PIPEWORKMATERIALS TEAMS CLEANED UP.IR:1NP:Killed:; Injured: 2; Evacuated:RA:2QR:34GC:MECHANICAL mechanical-failure;ID:19990513	ID: 19990608		
IR: 1 NP: Killed:; Injured: 2; Evacuated: RA: 2 QR: 34 GC: MECHANICAL mechanical-failure; ID: 19990513	IY: 1999		
QR: 34 GC: MECHANICAL mechanical-failure; ID: 19990513	IR: 1		
,	QR: 34		





		in
5)	AN: 9750	A
ME:	N	ΒI
CR:	AEA	Al
DA:	13/05/1999	ΤI
PD:	U urban	SF
LO:	UK; LOTHIAN; EDINBURGH	L
MN:	DIESEL FUEL	ga
MH:	FI fire	M
MC:	1223	R
IT:	CONTREL continuous-release	П
OG:	TRANSPORT transport-;	ΙΥ
ROADT.	ANKER road-tanker	Q
IS:	NONIGNITE non-ignition-of-flammable-	
materials		
KW:	COMPANY Firm or company involved	7)
AB:		M
DIESEL	SPILLING FROM HIS TANKER AFTER	CI
HE HAD	O GONE TO ASK DIRECTIONS. THE	D.
CAUSE 0	OF THE SPILL IS UNKNOWN.	L
RA:	1	Μ
ID:	19990513	Μ
IY:	1999	Μ
		ΙΊ
		О
6)	AN: 9741	G
ME:	N	SC
CR:	AEA	ba
DA:	10/05/1999	Q
LO:	USA; KANSAS; ATCHISON	IS
MN:	DIESEL FUEL	m
MH:	FI fire	K
MC:	1223	in
IT:	CONTREL continuous-release	Al
OG:	TRANSPORT transport-; PIPELINE	D
QY:	<787.00	LI
IS:	NONIGNITE non-ignition-of-flammable-	SI
materials		SI
KW:	COMPANY Firm or company involved;	CI
TIMING	Timing of the incident, time of day, shift,	L
handover	r, lunch break, etc.; RESPONSE Emergency	Al

response to the incident; ENVIRMNT Environmental impact of the incident (natural environment) AB: A PIPELINE TRANSPORTING DIESEL BROKE FOR AN UNKNOWN REASON. AN ABNORMAL PRESSURE WAS DETECTED IN THE CONTROL ROOM AND THE PIPELINE SHUT DOWN. THE LEAK WAS FOUND LATER. BETWEEN 206000 galls AND 231000 galls IS BELIEVED TO HAVE LEAKED INTO MISSOURI RIVER.					
RA: ID:	2 19990510				
ID. IY:	1999				
QR:	786				
7)	AN: 9712				
ME:	N				
CR:	AEA				
DA:	17/04/1999				
LO:	VIETNAM; HO CHI MINH CITY				
MN:	DIESEL FUEL				
MH:	FI fire				
MC:	1223				
IT:	CONTREL continuous-release				
OG:	TRANSPORT transport-; SHIP				
GC:	IMPACT impact-failure				
SC:	SHIP/SHIP ship-to-ship-collision,-also-				
barges					
QY:	99.00				
IS:	NONIGNITE non-ignition-of-flammable-				
material					
KW:	ENVIRMNT Environmental impact of the				
incident (natural environment)					
AB:	2 TANKERS, BOTH CARRYING				
DIESEL COLLIDED. 110m3 OF DIESEL					
LEAKED THROUGH A 1.3m GASH IN THE					
SIDE OF ONE OF THE TANKERS AND WAS					
SPILT INTO THE NHA BE RIVER. STRONG					
	NTS QUICKLY SPREAD THE OIL.				
LAND .	AND MANGROVE FORESTS IN THE				
AREA I	HAVE BEEN AFFECTED.				

RA:	2				
ID:	19990417				
IY:	1999				
QR:	99				
8)	AN: 9684				
ME:	N				
CR:	AEA				
DA:	29/03/1999				
PD:	U urban				
LO:	UK; WEST YORKSHIRE; LEEDS				
MN:	DIESEL FUEL				
MH:	FI fire				
MC:	1223				
IT:	CONTREL continuous-release				
OG:	STORAGE storage-; TANKCONTNR				
tank-con	<u> </u>				
GC:	HUMAN human-factor; MECHANICAL				
mechanio	cal-failure				
SC:	OVERFILL overfilling; VALVE leaking-or-				
passing-v	ralve				
QY:	16.20				
IS:	NONIGNITE non-ignition-of-flammable-				
materials					
KW:	TIMING Timing of the incident, time of				
	, handover, lunch break, etc.; ENVIRMNT				
	mental impact of the incident (natural				
	nent); PHOTO Hard copy contains				
photograph(s); ENQUIRY Investigations, public					
enquiries, etc., into the incident; RESPONSE					
_	cy response to the incident				
AB: A DELIVERY OF HEATING OIL WAS					
PUT IN AN ALREADY FULL TANK. THE					
	LOW VALVE ON THE TANK WAS				
ALSO FAULTY. THE BUND OVERFLOWED					
AND 18000 GALLONS OF RED DIESEL WENT					
	INTO A NEARBY BECK. PROTECTED CRAY FISH LIVE IN THE TANK. ALL LARVAE				
KILLED					
RA:	9				

ID:

19990329

Edizione Ottobre 2006 Pag. 33 di 66





IY:	1999	IS:	NONIGNITE non-ignition-of-flammable-
QR:	16	materials	
		KW:	COMPANY Firm or company involved;
		TIMINO	G Timing of the incident, time of day, shift,
9)	AN: 9672		r, lunch break, etc.; PHOTO Hard copy
ME:	N		photograph(s); ENVIRMNT Environmental
CR:	AEA		of the incident (natural environment);
DA:	22/03/1999		RY Investigations, public enquiries, etc., into
PD:	R rural	the incid	
LO:	UK; CUMBRIA; GREYSTOKE	AB:	A PETROL TANKER OVERTURNED
MN:	DIESEL FUEL	AT A R	OUNDABOUT AND SPILT A LARGE
MH:	FI fire	AMOUN	NT OF PETROL AND DIESEL FUEL.
MC:	1223	NEARB	SY RIVERS AND STREAMS WERE
OG:	DOM/COM domestic-or-commercial;	CONTA	AMINATED. FOAM USED TO COVER
COMMT	l'ANK small-commercial-tank	THE PE	ETROL ALSO CONTAMINATED THE
GC:	EXTERNAL external-events	STREAD	M, BLOCKING OFF OXYGEN SUPPLY
SC:	EXTNLFIRE fire	TO FISI	Н.
AB:	AN ELECTRICAL FAULT CAUSED A	RA:	8
BARN T	O CATCH FIRE AT A FARM. THE FIRE	ID:	19990226
WAS MA	ADE MORE DANGEROUS BY THE	IY:	1999
PRESEN	ICE OF A 100 GALLON DIESEL TANK,	QR:	13
WHICH	WAS LEAKING.		
RA:	1		
ID:	19990322	11)	AN: 9614
IY:	1999	ME:	N
		CR:	AEA
		DA:	15/02/1999
10)	AN: 9638	PD:	R rural
ME:	N	LO:	UK; NORTH YORKSHIRE; GOOLE
CR:	AEA	MN:	DIESEL FUEL
DA:	26/02/1999	MH:	FI fire
PD:	R rural	MC:	1223
LO:	UK; HAMPSHIRE; HEDGE END	OG:	TRANSPORT transport-;
MN:	PETROL		「ANKER road-tanker
MH:	FI fire	NP:	Killed:; Injured: 0; Evacuated:
MC:	1270	GC:	EXTERNAL external-events
IT:	CONTREL continuous-release	SC:	EXTNLFIRE fire
OG:	TRANSPORT transport-;	KW:	COMPANY Firm or company involved;
	'ANKER road-tanker		G Timing of the incident, time of day, shift,
GC:	HUMAN human-factor		er, lunch break, etc.; DURATION Duration of
SC:	GENERALOP general-operational	the incid	lent; PHOTO Hard copy contains

photograph(s); RESPONSE Emergency response to the incident AB: A BURST, OVERHEATED TYRE IS THOUGHT TO HAVE SET FIRE TO A TANKER CARRYING 5000 GALLONS OF DIESEL. NO ONE WAS INJURED IN THE FOUR HOUR BLAZE. FORTY FIREFIGHTERS SPRAYED 100000 litres FOAM ONTO THE BLAZING WRECKAGE. RA: 1 ID: 19990215 IY: 1999 IR: 0 12) AN: 9604 ME: N CR: AEA DA: 10/02/1999 LO: USA; TENNESSEE; KNOXVILLE MN: DIESEL FUEL MH: FI fire 1223 MC: IT: CONTREL continuous-release OG: TRANSPORT transport-; PIPELINE NP: Killed: --; Injured: 0; Evacuated: >0.01 x 10E3 QY: 288.00 IS: NONIGNITE non-ignition-of-flammablematerials KW: COMPANY Firm or company involved; TIMING Timing of the incident, time of day, shift, handover, lunch break, etc. A PIPELINE CARRYING HIGH SULPHUR DIESEL RUPTURED SENDING FUEL SPEWING 30ft INTO THE AIR. THE FUEL WENT INTO THE TENNESSEE RIVER. 10 HOMES WERE CONDEMNED. VACUUM TRUCKS AND FLOATING BOOMS WERE USED TO CONTAIN THE FUEL ON THE RIVER.

RA:

4

Edizione Ottobre 2006

<14.00

QY:





ID:	19990210	SC:	SHIP/SHIP ship-to-ship-collision,-also-	16)	AN: 9556
IY:	1999	barges		MÉ:	N
IR:	0	IS:	NONIGNITE non-ignition-of-flammable-	CR:	AEA
ER:	11	materia		DA:	12/01/1999
QR:	288	KW:	TIMING Timing of the incident, time of	LO:	USA; LOUISIANA; HOUMA
`		day, shi	ft, handover, lunch break, etc.	MN:	DIESEL FUEL
		AB:	2 SHIPS COLLIDED. ONE CARRYING	MH:	FI fire
13)	AN: 9582	22000 I	BARRELS OF HIGH SULPHUR DIESEL.	MC:	1223
MÉ:	В; Ү		SHIPS SUSTAINED DAMAGE ABOUT	IT:	CONTREL continuous-release
CR:	AEA	30ft FR	OM THE WATERLINE. NO MENTION	OG:	TRANSPORT transport-; BARGE
DA:	01/02/1999	OF AN	Y SPILL.	GC:	IMPACT impact-failure
LO:	RUSSIA; BERING SEA; LITKAE	RA:	1	SC:	SHIP/SHIP ship-to-ship-collision,-also-
PASSAC		ID:	19990130	barges	
MN:	DIESEL FUEL	IY:	1999	QY:	174.00
MH:	FI fire			IŠ:	NONIGNITE non-ignition-of-flammable-
MC:	1223			material	s
OG:	TRANSPORT transport-; SHIP	15)	AN: 9577	KW:	TIMING Timing of the incident, time of
GC:	EXTERNAL external-events	MÉ:	B; Y	day, shi	ft, handover, lunch break, etc.
SC:	TEMPRTURE temperature-extremes	CR:	AEA	AB:	A BARGE AND AN OFFSHORE
AB:	A SHIP CARRYING 150 TONS OF	DA:	28/01/1999	SUPPL	Y VESSEL COLLIDED. THE BARGE
GASOL	INE AND 100 TONS OF DIESEL TO	LO:	EGYPT; CAIRO; ZAHRA EL-MAADI	SUSTA	INED DAMAGE RESULTING IN A SPILL
FISHERY SETTLEMENTS HAD ITS RUDDER		MN: DIESEL FUEL		OF AP	PROXIMATELY 51000 GALLONS OF
DAMAG	GED BY AN ICE FIELD DRIVEN BY A	MH:	FI fire	DIESE	L FUEL. CLEAN UP OPERATIONS ARE
STORM	I. THE SHIP COULD NOT MOVE	MC:	1223	IN HAI	ND.
UNDE	R ITS OWN POWER AND THE OWNER	IT:	CONTREL continuous-release; FIRE fire-	RA:	1
COULE	NOT AFFORD TO HIRE AN ICE	OG:	TRANSPORT transport-; PIPELINE	ID:	19990112
BREAK	ER.	NP:	Killed:; Injured: 3; Evacuated:	IY:	1999
RA:	1	GC:	IMPACT impact-failure	QR:	174
ID:	19990201	SC:	EXCAVEQUIP excavating-equipment		
IY:	1999	QY:	<700.00		
		AB:	A PIPELINE CAUGHT FIRE WHEN IT	17)	AN: 9526
			CCIDENTALLY RUPTURED BY A	ME:	A-; Y
14)	AN: 9579		OOZER. 700t OF FUEL OIL AND DIESEL	CR:	AEA
ME:	N		LOST AS A RESULT. 3 PEOPLE WERE	DA:	23/12/1998
CR:	AEA	INJUR	ED.	LO:	CANADA; GASPE BAY
DA:	30/01/1999	RA:	1	MN:	DIESEL FUEL
LO:	USA; FLORIDA; MIAMI	ID:	19990128	MH:	FI fire
MN:	DIESEL FUEL	IY:	1999	MC:	1223
MH:	FI fire	IR:	3	OG:	TRANSPORT transport-; SHIP
MC:	1223	QR:	699	GC:	IMPACT impact-failure
OG:	TRANSPORT transport-; SHIP			SC:	SHIP/LAND ship-to-land-collision,-also-
GC:	IMPACT impact-failure			barges	



UK; NORTH YORKSHIRE; YORK

PD:

LO:

MN:

U urban

DIESEL FUEL



IS:	NONIGNITE non-ignition-of-flammable-	
materials AB:	A TANKER CARRYING DIESEL AND	
	INE GROUNDED IN A HARBOUR. NO	
SPILL OCCURRED. SOME CARGO WAS		
REMOV	ED TO REFLOAT THE SHIP.	
RA:	1	
ID:	19981223	
IY:	1998	
18)	AN: 9494	
ME:	N	
CR:	AEA	
DA:	29/11/1998	
LO:	ESTONIA; MIIDURANNA	
MN:	DIESEL FUEL	
MH:	FI fire	
MC:	1223	
IT:	CONTREL continuous-release	
OG:	TRANSFER loading,-unloading; SHIP	
GC:	HUMAN human-factor	
SC:	OVERFILL overfilling	
QY:	2.00	
IS:	NONIGNITE non-ignition-of-flammable-	
materials AB: CREW FAILED TO NOTICE THAT A		
	'ANKS WERE FULL WHEN THEY	
WERE LOADING THE SHIP WITH DIESEL.		
ABOUT 2 TONNES OF OIL OVERFLOWED		
FROM THE TANKS. THE VESSELS		
OPERATORS WERE FINED.		
RA:	2	
ID:	19981129	
IY:	1998	
QR:	2	
19)	AN: 9485	
ME:	N	
CR:	AEA	
	. = / /. = = =	

1111 4.	DIESELTCEL
MH:	FI fire
MC:	1223
IT:	CONTREL continuous-release
OG:	TRANSPORT transport-; PIPELINE
QY:	4.50
IS:	NONIGNITE non-ignition-of-flammable-
materials	S
AB:	UNDERGROUND PIPELINE FOUND
TO BE	LEAKING (DUE TO CHEMICAL
REACT	TON IN CORRODED PIPE) WHEN
MEMBI	ER OF PUBLIC SPOTTED SLICK ON
RIVER	OUSE. THOUGH <7000L SPILLED IN
	. 1000L ESCAPED INTO RIVER VIA
	DRAIN. £12,000 FINE AND £300,000
	I-UP COSTS.
RA:	2
ID:	19981117
IY:	1998
QR:	4
20)	AN: 9461
ME:	N
CR:	AEA
DA:	06/11/1998
LO:	UK; LANARKSHIRE; LAW
MN:	DIESEL FUEL
MH:	FI fire
MC:	1223
IT:	FIRE fire-
OG:	STORAGE storage-; PACKAGE portable-
transpor	rt-containers
NP:	Killed:; Injured: 3; Evacuated:
GC:	EXTERNAL external-events
CC.	EXTNLFIRE fire
SC:	
IS:	FLAME naked-flames
	FLAME naked-flames INJURIES Types of, or causes of or degree
IS:	INJURIES Types of, or causes of or degree

AB: 3 PEOPLE WERE INJURED AFTER A DRUM, THOUGHT TO CONTAIN DIESEL, EXPLODED AFTER BEING TOO CLOSE TO A BONFIRE. ONE BOY SUFFERED 95% BURNS, A MAN BURNT HIS HANDS AFTER TRYING TO EXTINGUISH THE BOY. A SECOND BOY HAD MINOR BURNS ON HIS LEGS. RA: 1 ID: 19981106 IY: 1998 IR: 3 21) AN: 9457 ME: Ν CR: AEA 03/11/1998 DA: PD: R rural LO: UK; DERBYSHIRE; MELBOURNE MN: DIESEL FUEL MH: FI fire MC: 1223 IT: CONTREL continuous-release; POOL pool-of-liquid-formed OG: STORAGE storage-; PIPEWORK GC: HUMAN human-factor SC: SABOTAGE sabotage-or-vandalism QY: >3.60 IŠ: NONIGNITE non-ignition-of-flammablematerials KW: COMPANY Firm or company involved; ENVIRMNT Environmental impact of the incident (natural environment) THIEVES CUT A FUEL PIPE AT A TRANSPORT COMPANY IN AN ATTEMPT TO STEAL FUEL. 4500 LITRES WAS STOLEN AND AT LEAST 4000 LITRES WENT INTO A NEARBY BROOK WHICH FED A LAKE. THE OIL IN THE LAKE HAS CAUSED INJURY TO MANY BIRDS AND FISH.

2

19981103

RA:

ID:

DA:

17/11/1998





IY:	1998	LO: ST KITTS; BASSETERRE	IS: NONIGNITE non-ignition-of-flammable-
QR:	4	MN: DIESEL FUEL	materials
`		MH: FI fire	AB: A PROP SHAFT ON A TANKER
22)	AN: 9451	MC: 1223	CARRYING DIESEL BROKE AND
MÉ:	N	IT: CONTREL continuous-release	PUNCTURED THE TANK.
CR:	AEA	OG: TRANSFER loading,-unloading;	RA: 1
DA:	29/10/1998	PIPELINE	ID: 19981015
LO:	UK; MID GLAMORGAN; PENCOED	GC: HUMAN human-factor	IY: 1998
MN:	DIESEL FUEL	SC: CONNECTING failure-to-connect-or-	QR: 0
MH:	FI fire	disconnect	
MC:	1223	IS: NONIGNITE non-ignition-of-flammal	ole-
IT:	CONTREL continuous-release; POOL	materials	25) AN: 9335
pool-of-	liquid-formed	KW: MAP Hard copy contains map;	ME: N
OG:	TRANSPORT transport-;	COMPANY Firm or company involved;	CR: AEA
ROAD'	TANKER road-tanker	DURATION Duration of the incident	DA: 21/08/1998
NP:	Killed:; Injured: 0; Evacuated:	AB: DIESEL WAS BEING PUMPED FRO	
GC:	IMPACT impact-failure	A SHIP TO A STORAGE TANKER WHEN TH	
SC:	VEHICLE other-vehicle	PIPELINE DISCONNECTED AND PUMPED	MH: FI fire
IS:	NONIGNITE non-ignition-of-flammable-	DIESEL INTO THE HARBOUR FOR AN	MC: 1223
material		ESTIMATED 15 MINUTES. LOCAL	IT: FIRE fire-
KW:	COMPANY Firm or company involved;	FISHERMEN FEAR THAT THE FISH THEY	USE OG: STORAGE storage-; ASVESSEL storage-
TIMINO	G Timing of the incident, time of day, shift,	AS BAIT HAVE BEEN AFFECTED. CLEAN-	UP vessels,-atmospheric-pressure
handove	er, lunch break, etc.; DURATION Duration of	IS IN PROGRESS.	AB: A FIRE OCCURRED IN A 1500m3
the incid	lent	RA: 3	DIESEL FUEL STORAGE TANK. THE FIRE
AB:	A DIESEL TANKER AND A GAS	ID: 19981029	WAS ISOLATED AND THE PLANT REMAINED
TANKI	ER COLLIDED ON THE M4 SPILLING	IY: 1998	OPERATIONAL. THE CAUSE IS BEING
HUND	REDS OF GALLONS OF DIESEL. THE		INVESTIGATED.
MOTO:	RWAY WAS BLOCKED FOR MORE		RA: 1
THAN	6 HOURS. FIREFIGHTERS	24) AN: 9416	ID: 19980821
UNDEI	RTOOK A HUGE MOPPING UP	ME: N	IY: 1998
OPERA	TION. BOTH DRIVERS WERE	CR: AEA	
UNINJI		DA: 15/10/1998	
RA:	1	LO: UK; HAMPSHIRE; SOUTHAMPTON	
ID:	19981029	MN: DIESEL FUEL	ME: N
IY:	1998	MH: FI fire	CR: AEA
IR:	0	MC: 1223	DA: 14/08/1998
		IT: CONTREL continuous-release	LO: USA; ALASKA; YUKON RIVER
		OG: TRANSPORT transport-;	MN: DIESEL FUEL
23)	AN: 9450	ROADTANKER road-tanker	MH: FI fire
ME:	N	GC: IMPACT impact-failure	MC: 1223
CR:	AEA	QY: 0.14	OG: TRANSPORT transport-; BARGE
DA:	29/10/1998		GC: IMPACT impact-failure

Edizione Ottobre 2006





SC: SHIP/LAND ship-to-land-collision,-also-	ME: N	IT: RELEASE release-
barges	CR: AEA	OG: TRANSPORT transport-; RAILTANKER
IS: NONIGNITE non-ignition-of-flammable-	DA: 09/07/1998	rail-tanker
materials	LO: UK; DEVON; CULLOMPTON	GC: EXTERNAL external-events; IMPACT
AB: A BARGE CARRYING 550m3 DIESEL	MN: DIESEL FUEL	impact-failure
FUEL RAN AGROUND IN THE YUKON RIVER,	MH: FI fire	SC: RAILACC rail-accident,-no-other-vehicle
NEAR TANANA. NO MATERIAL WAS	MC: 1223	IS: NONIGNITE non-ignition-of-flammable-
RELEASED. THE BARGE WAS LIGHTERED	IT: CONTREL continuous-release	materials
AND THE BARGE REFLOATED.	OG: TRANSPORT transport-;	AB: A FREIGHT TRAIN JUMPED TRACK
RA: 2	ROADTANKER road-tanker	AT A TRESTLE WEAKENED BY HEAVY RAIN.
ID: 19980814	NP: Killed:; Injured: 0; Evacuated:	16 CARS SPILT THEIR CARGO INCLUDING 220
IY: 1998	GC: IMPACT impact-failure	CUBIC METRES OF WHISKEY AND 11 CUBIC
	SC: ROADACC road-accident,-no-other-vehicle	METRES OF DIESEL FUEL. NEARBY LAKE
	QY: 0.30	CHAMPLAIN WAS THREATENED.
27) AN: 9227	IS: NONIGNITE non-ignition-of-flammable-	RA: 1
ME: N	materials	ID: 19980626
CR: AEA	KW: TIMING Timing of the incident, time of	IY: 1998
DA: 17/07/1998	day, shift, handover, lunch break, etc.; PHOTO Hard	
LO: UK; CORNWALL; TAMAR BRIDGE	copy contains photograph(s)	
MN: DIESEL	AB: A DIESEL TANKER AND A BMW	29b) AN: 9207
MH: FI fire	COLLIDED ON THE M5 BETWEEN	ME: A-; Y
MC: 1223	JUNCTIONS 28 AND 29. NO ONE WAS	CR: AEA
IT: CONTREL continuous-release; POOL	INJURED BUT THE COLLISION CAUSED THE	DA: 26/06/1998
pool-of-liquid-formed	TANK TO RUPTURE. THE ENVIRONMENT	LO: USA; NEW YORK; PORT KENT
OG: TRANSPORT transport-;	AGENCY AND FIRE CREWS WERE CALLED	MN: DIESEL FUEL
ROADTANKER road-tanker	IN TO DEAL WITH THE SPILL. SAND WAS	MH: FI fire
IS: NONIGNITE non-ignition-of-flammable-	USED TO SOAK UP FUEL.	MC: 1223
materials	RA: 1	IT: RELEASE release-
AB: A TANKER LEFT A TRAIL OF	ID: 19980709	OG: TRANSPORT transport-; RAILTANKER
AROUND 2 MILES OF DIESEL FUEL ALONG	IY: 1998	rail-tanker
THE A38 AND ACROSS THE TAMAR BRIDGE.	IR: 0	GC: EXTERNAL external-events; IMPACT
A SECOND SPILLAGE WAS ALSO REPORTED	QR: 0	impact-failure
ON THE A390, POSSIBLY LINKED. THE	QIC 0	SC: RAILACC rail-accident,-no-other-vehicle
TANKER HAS NOT BEEN TRACED. GRIT		QY: 9.90
WAS PUT DOWN AND THE BRIDGE HOSED.	29a) AN: 9207	IS: NONIGNITE non-ignition-of-flammable-
RAIN HELD OFF.	ME: B; Y	materials
RA: 1	CR: AEA	AB: A FREIGHT TRAIN JUMPED TRACK
		J
ID: 19980717 IY: 1998	DA: 26/06/1998	AT A TRESTLE WEAKENED BY HEAVY RAIN.
IY: 1998	LO: USA; NEW YORK; PORT KENT	16 CARS SPILT THEIR CARGO INCLUDING 220
	MN: WHISKY	CUBIC METRES OF WHISKEY AND 11 CUBIC
20) ANI 0224	MH: FI fire	METRES OF DIESEL FUEL. NEARBY LAKE
28) AN: 9221	MC: 1170	CHAMPLAIN WAS THREATENED.

Edizione Ottobre 2006

Pag. 38 di 66





RA: 1	ME: N	BUNKERS. THE US COAST GUARD SET UP A
ID: 19980626	CR: AEA	CONTAINMENT BOOM WHICH CONTAINED
IY: 1998	DA: 24/06/1998	THE LEAK.
QR: 9	LO: USA; ALASKA; ST LAWRENCE	RA: 1
	ISLAND	ID: 19980613
	MN: DIESEL FUEL	IY: 1998
30) AN: 9206	MH: FI fire	QR: 2
MÉ: N	MC: 1223	•
CR: AEA	IT: CONTREL continuous-release	
DA: 26/06/1998	OG: TRANSPORT transport-; SHIP	33) AN: 9147
LO: USA; ILLINOIS; NIOTA	GC: IMPACT impact-failure	ME: N
MN: PAINT	SC: HVYOBJECT heavy-object	CR: AEA
MH: FI fire	QY: 1.53	DA: 08/06/1998
MC: 1263	IS: NONIGNITE non-ignition-of-flammable-	LO: VENEZUELA; CARENERO BAY
IT: FIRE fire-	materials	MN: DIESEL FUEL
OG: TRANSPORT transport-; RAILTANKER	AB: A FUEL BARGE HIT A SUBMERGED	MH: FI fire
rail-tanker	OBJECT WHILST BEING PUSHED IN FOR	MC: 1223
NP: Killed:; Injured: 0; Evacuated: 0.06 x	LANDING AT SAVOONGA BEACH. THE	IT: CONTREL continuous-release
10E3	CARGO TANK WAS DAMAGED AND 1700	OG: TRANSFER loading, unloading; HOSE
GC: IMPACT impact-failure	LITRES OF DIESEL SPILT AND WAS	QY: 1000.00
SC: RAILACC rail-accident,-no-other-vehicle	IMMEDIATELY CLEANED UP.	IS: NONIGNITE non-ignition-of-flammable-
QY: 1.80	RA: 2	materials
KW: TIMING Timing of the incident, time of	ID: 19980624	KW: COMPANY Firm or company involved;
day, shift, handover, lunch break, etc.; RESPONSE	IY: 1998	AREA Size of the area affected; TIMING Timing of
Emergency response to the incident	QR: 1	the incident, time of day, shift, handover, lunch break,
AB: A TRAIN CARRYING DIESEL FUEL		etc.; ENQUIRY Investigations, public enquiries, etc.,
STRUCK AN IDLING TRAIN RESULTING IN A		into the incident
SPILL OF 500 GALLONS/2000 LITRES OF	32) AN: 9192	AB: A HOSE CONNECTING A DELIVERY
DIESEL FUEL. THE FUEL CAUGHT FIRE AS	ME: N	BUOY TO A TANKER WAS CUT, POSSIBLY BY
DID SOME OF THE PAINT PRODUCTS IN THE	CR: AEA	PROPELLER BLADES. APPROXIAMTELY 1000
SECOND TRAIN. AROUND 60 RESIDENTS	DA: 13/06/1998	TONNES OF DIESEL WAS SPILT DURING THE
WERE EVACUATED. 5 CARS WERE	LO: USA; MICHIGAN; ESCANABA	20 MINUTE RELEASE. A SLICK SEVERAL
DERAILED.	MN: DIESEL FUEL	KILOMETRES LONG FORMED. 2 MANAGERS
RA: 2	MH: FI fire	WERE ARRESTED.
ID: 19980626	MC: 1223	RA: 5
IY: 1998	IT: CONTREL continuous-release	ID: 19980608
IR: 0	OG: TRANSFER loading,-unloading; SHIP	IY: 1998
ER: 60	QY: 2.07	QR: 1000
QR: 1	IS: NONIGNITE non-ignition-of-flammable-	
	materials	
	AB: 2300 LITRES OF DIESEL FUEL WAS	34) AN: 9132
31) AN: 9203	SPILT WHILST A SHIP WAS TAKING ON	ME: N





CR:	AEA	DIESE	L PUMPED OUT OF TANKER WHICH		
DA:	24/05/1998	WAS T	OWED AWAY.	37a)	AN: 9003
LO:	USA; YAZOO HARBOUR	RA:	1	MÉ:	В; Ү
MN:	DIESEL FUEL	ID:	19980410	CR:	AEA
MH:	FI fire	IY:	1998	DA:	16/03/1998
MC:	1223			LO:	USA; WASHINGTON; TACOMA
IT:	FIRE fire-			MN:	BUNKER OIL
OG:	TRANSPORT transport-; SHIP	36)	AN: 9066	MH:	FI fire
NP:	Killed:; Injured: 0; Evacuated:	ME:	N	MC:	1267
AB:	A TUG CARRYING 11000 GALLONS	CR:	AEA	IT:	CONTREL continuous-release
OF DI	ESEL FUEL CAUGHT FIRE. THERE	DA:	24/04/1998	OG:	STORAGE storage-; ASVESSEL storage-
	NO INJURIES OR BLOCKAGE TO	PD:	U urban	vessels	-atmospheric-pressure
	R RIVER. CLEANUP CONTRACTORS	LO:	UK; HUMBERSIDE; HULL	GC:	HUMAN human-factor
	VED ALL DIESEL, LUBE OIL AND	MN:	DIESEL FUEL	SC:	ISOLUNCOUP failure-to-isolate-or-drain-
	UAL OIL.	MH:	FI fire		uncoupling; OVERFILL overfilling
RA:	1	MC:	1223	IS:	NONIGNITE non-ignition-of-flammable-
ID:	19980524	IT:	RELEASE release-; POOL pool-of-liquid-	materia	
IY:	1998	formed		KW:	FACTORS Aggravating or mitigating
IR:	0	OG:	TRANSPORT transport-;	factors	; COMPANY Firm or company involved;
		ROAD	TANKER road-tanker		G Timing of the incident, time of day, shift,
35)	AN: 9083	GC:	IMPACT impact-failure		ver, lunch break, etc.
MÉ:	N	SC:	VEHICLE other-vehicle	AB:	55,000 GALLONS OF A MIXTURE OF
CR:	AEA	QY:	0.90	DIESE	EL FUEL AND BUNKER OIL WERE
DA:	10/04/1998	IS:	NONIGNITE non-ignition-of-flammable-	SPILL	ED AT A MARINE TERMINAL. A
LO:	USA; FLORIDA; DUCK KEY	materia			KER HAD LEFT OPEN A CROSSOVER
MN:	DIESEL FUEL	KW:	COMPANY Firm or company involved;	VALV	E DURING BLENDING CAUSING
MH:	FI fire	TIMIN	G Timing of the incident, time of day, shift,	BUNK	ER FUEL TO FLOW BACK INTO A
MC:	1223		er, lunch break, etc.; PHOTO Hard copy	DIESE	EL TANK AND OVERTOP IT. OIL
OG:	TRANSPORT transport-;		s photograph(s)	CONT	'AINED BY DYKE.
ROAD'	TANKER road-tanker	AB:	A FUEL TANKER AND A LORRY	RA:	2
GC:	IMPACT impact-failure	COLLI	DED. ABOUT 1000 LITRES OF THE 5000	ID:	19980316
SC:	VEHICLE other-vehicle	LITRE	LOAD LEAKED ONTO THE ROAD.	IY:	1998
KW:	TIMING Timing of the incident, time of	FIREF	IGHTERS USED SAND AND		
day, shi	ft, handover, lunch break, etc.; DURATION	ABSOF	RBENT GRANULES TO STOP THE		
Duratio	on of the incident	SPREA	D OF THE FUEL AND BLOCK DRAINS.		
AB:	A CAR PULLED INTO ONCOMING		ER DRIVER HAD MINOR INJURIES.	37b)	AN: 9003
TRAFF	TC ON A MAJOR ROAD AND	RA:	1	MÉ:	A-; Y
COLLI	DED WITH A DIESEL FUEL TANK	ID:	19980424	CR:	AEA
TRUCE	K. CAR DRIVER KILLED INSTANTLY	IY:	1998	DA:	16/03/1998
AND T	RUCK DRIVER FLOWN TO HOSPITAL.	QR:	0	LO:	USA; WASHINGTON; TACOMA
ROAD	CLOSED FOR AT LEAST 7 HOURS.	-		MN:	DIESEL FUEL
				MH:	FI fire

Edizione Ottobre 2006 Pag. 40 di 66





day, shift, handover, lunch break, etc.

MC: 1223	IS: NONIGNITE non-ignition-of-flammable-	RA: 1
IT: CONTREL continuous-release	materials	ID: 19971128
OG: STORAGE storage-; ASVESSEL storage-	KW: COMPANY Firm or company involved;	IY: 1997
vessels,-atmospheric-pressure	TIMING Timing of the incident, time of day, shift,	ER: 2
GC: HUMAN human-factor	handover, lunch break, etc.; PHOTO Hard copy	
SC: ISOLUNCOUP failure-to-isolate-or-drain-	contains photograph(s)	
before-uncoupling; OVERFILL overfilling	AB: AT LEAST 1000 LITRES DIESEL	40) AN: 8844
IS: NONIGNITE non-ignition-of-flammable-	SPILLED FROM A STORAGE TANK.	ME: N
materials	BURGLARS BROKE OPEN THE LOCK ON THE	CR: AEA
KW: FACTORS Aggravating or mitigating	HOSE. THEY WERE DISTURBED LEAVING	DA: 18/11/1997
factors; COMPANY Firm or company involved;	THE DIESEL TO POUR INTO A DRAIN AND	LO: USA; CONNECTICUT; HIGGANUM
TIMING Timing of the incident, time of day, shift,	INTO THE RIVER. BOOMS AND ABSORBENT	MN: DIESEL FUEL
handover, lunch break, etc.	PADS WERE USED TO CONTAIN AND CLEAR	MH: FI fire
AB: 55,000 GALLONS OF A MIXTURE OF	UP SPILL.	MC: 1223
DIESEL FUEL AND BUNKER OIL WERE	RA: 2	OG: TRANSPORT transport-; BARGE
SPILLED AT A MARINE TERMINAL. A	ID: 19980116	GC: IMPACT impact-failure
WORKER HAD LEFT OPEN A CROSSOVER	IY: 1998	SC: SHIP/LAND ship-to-land-collision,-also-
VALVE DURING BLENDING CAUSING	QR: 1	barges
BUNKER FUEL TO FLOW BACK INTO A		AB: TANK BARGE CARRYING 714000
DIESEL TANK AND OVERTOP IT. OIL		GALLONS DIESEL FUEL RAN AGROUND.
CONTAINED BY DYKE.	39) AN: 8857	THERE WAS NO VISIBLE DAMAGE AND NO
RA: 2	ME: B; Y	RELEASE OF CARGO.
ID: 19980316	CR: AEA	RA: 1
IY: 1998	DA: 28/11/1997	ID: 19971118
	LO: UK; TAYSIDE; BRACO	IY: 1997
	MN: DIESEL FUEL	
38) AN: 8934	MH: FI fire	
ME: N	MC: 1223	41) AN: 8801
CR: AEA	OG: TRANSPORT transport-;	ME: N
DA: 16/01/1998	ROADTANKER road-tanker	CR: AEA
PD: U urban	NP: Killed:; Injured:; Evacuated: >0.001 x	DA: 29/10/1997
LO: UK; NORTH YORKSHIRE; YORK	10E3	LO: USA; TEXAS; NAVASOTA
MN: DIESEL FUEL	GC: IMPACT impact-failure	MN: CHEMICALS
MH: FI fire	SC: VEHICLE other-vehicle	MC: 9999
MC: 1223	IS: NONIGNITE non-ignition-of-flammable-	OG: TRANSPORT transport-; RAILTANKER
IT: CONTREL continuous-release	materials	rail-tanker
OG: STORAGE storage-; ASVESSEL storage-	AB: A ROADTANKER CARRYING 12.5	GC: IMPACT impact-failure; HUMAN human-
vessels,-atmospheric-pressure	THOUSAND LITRES OF PETROL AND 6500	factor
GC: EXTERNAL external-events	LITRES DIESEL OVERTURNED AND LANDED	SC: RAILACC rail-accident,-no-other-vehicle;
SC: SABOTAGE sabotage-or-vandalism	ON ITS ROOF AFTER COLLIDING WITH A	PROCEDURES
QY: >0.90	VAN. FIREFIGHTERS LAID DOWN A FOAM	KW: TIMING Timing of the incident, time of
	DI ANIZET NO DEDODTE OF FIFE COLLACE	1 1'6 1 1 1 1 1 .

Edizione Ottobre 2006 Pag. 41 di 66

BLANKET. NO REPORTS OF FUEL SPILLAGE.





AB: TRAIN CARRYING CHEMICALS COLLIDED WITH A TRAIN CARRYING GRAVEL. ELEVEN CARS AND TWO LOCOMOTIVES DERAILED. DIESEL FUEL LEAKING FROM ONE LOCOMOTIVE CAUGHT FIRE BUT WAS QUICKLY EXTINGUISHED. ACCIDENT OCCURRED WHEN ONE TRAIN RAN THROUGH A RED SIGNAL.

RA: 2

ID: 19971029 IY: 1997

42) AN: 8799

ME: A-; Y CR: AEA DA: 28/10/1997

LO: GREECE; PATRAS MN: DIESEL FUEL

MH: FI fire MC: 1223

IT: CONTREL continuous-release
 OG: TRANSPORT transport-; SHIP
 NP: Killed: --; Injured: 0; Evacuated: - GC: IMPACT impact-failure; EXTERNAL

external-events

SC: SHIP/LAND ship-to-land-collision,-also-barges; HIGHWINDS high-winds

IS: NONIGNITE non-ignition-of-flammable-materials

KW: WEATHER Weather conditions at the time of, or during, the incident

AB: SHIP CONTAINING GASOLINE AND DIESEL RAN AGROUND. ATTEMPTS TO REFLOAT WERE HAMPERED BY BAD WEATHER. SMALL SPILLAGE OF GAS OIL WAS REPORTED BUT THIS HAD MOSTLY EVAPORATED. VESSEL REFLOATED IN DECEMBER-TWO MONTHS LATER.

RA: 4

ID: 19971028

IY: 1997 IR: 0

43) AN: 8711 ME: A-; Y CR: AEA DA: 08/09/1997

LO: FRANCE; DORDOGNE; SAINTE-

ANTOINE DE BR
MN: DIESEL FUEL

MH: FI fire MC: 1223 IT: FIRE fire-

OG: TRANSPORT transport-; ROADTANKER road-tanker

NP: Killed: 13; Injured: >40; Evacuated: --

GC: IMPACT impact-failure SC: VEHICLE other-vehicle

KW: TIMING Timing of the incident, time of day, shift, handover, lunch break, etc.; KNOCK-ON Describes any knock-on or domino type effects caused

AB: 13 KILLED & >40 INJURED WHEN PASSENGER TRAIN COLLIDED WITH FULLY LADEN FUEL TANKER (WITH 30000L PETROL & DIESEL) AT RAILWAY CROSSING IN SAINTE-ANTOINE DE BREUILH. TRAIN DRAGGED TANKER 250M BEFORE IT BURST INTO FLAMES ENGULFING THE ENGINE

RA: 2

ID: 19970908 IY: 1997 KR: 13 IR: 41

AND 2 CARRIAGES.

44) AN: 8637 ME: N

CR: AEA
DA: 05/08/1997

LO: UK; CORNWALL; SALTASH

MN: DIESEL FUEL

MH: FI fire MC: 1223

IT: CONTREL continuous-release OG: TRANSPORT transport-; ROADTANKER road-tanker

QY: <20.00

IS: NONIGNITE non-ignition-of-flammable-materials

KW: TIMING Timing of the incident, time of day, shift, handover, lunch break, etc.; KNOCK-ON Describes any knock-on or domino type effects caused

AB: A ROAD TANKER LEAKING MARINE DIESEL SHED ITS LOAD ALONG SEVERAL MILES. POLICE OFFICERS SPREAD SAND ONTO THE SPILL AND PREVENTED IT FROM WASHING INTO THE NEARBY RIVER. SEVERAL CARS CRASHED AS THEY SLITHERED ON THE OIL ON AN INCLINE.

RA: 1

ID: 19970805 IY: 1997 QR: 19

45) AN: 8101

MÉ: N CR: AEA DA: 16/07/1996

LO: UK; WEST MIDLANDS;

WOLVERHAMPTON MN: DIESEL MH: FI fire MC: 1223

IT: CONTREL continuous-release
OG: DOM/COM domestic-or-commercial

GC: IMPACT impact-failure

SC: ROADACC road-accident,-no-other-vehicle

QY: 0.45





IS: NONIGNITE non-ignition-of-flammable-	RA: 1	MC: 1270
materials	ID: 19960714	IT: CONTREL continuous-release
KW: TIMING Timing of the incident, time of	IY: 1996	OG: TRANSPORT transport-; SHIP
day, shift, handover, lunch break, etc.; DURATION	KR: 1	GC: IMPACT impact-failure
Duration of the incident; RESPONSE Emergency	IR: 2	SC: SHIP/SHIP ship-to-ship-collision,-also-
response to the incident		barges
AB: 5001 DIESEL FUEL SPILLED INTO		QY: 275.60
DRAINS AFTER CAR CRASHED INTO FUEL	47) AN: 8096	IS: NONIGNITE non-ignition-of-flammable-
PUMP AT SERVICE STATION. FIREMEN	ME: N	materials
USED AN ABSORBENT POWDER TO SOAK UP	CR: AEA	KW: AFTER After effects such as clear up,
DIESEL & WORKERS FROM WATER	DA: 16/07/1997	survival of injured, etc.; TIMING Timing of the
COMPANY WERE CALLED TO FLUSH DIESEL	LO: RUSSIA; PERM REGION; RIVER IK	incident, time of day, shift, handover, lunch break, etc.
FUEL FROM DRAINS.	MN: DIESEL	AB: VESSEL CARRYING SCRAP SANK OFF
RA: 1	MH: FI fire	SOUTH KOREA AFTER COLLISION WITH A
ID: 19960716	MC: 1223	CHEMICAL TANKER CARRYING 830kl
IY: 1996	IT: CONTREL continuous-release	GASOLINE & 4000kl DIESEL / FUEL OIL
QR: 0	OG: DOM/COM domestic-or-commercial;	COMBINED IN HEAVY FOG. VESSELS
	PUMP pumps,-compressors	TURNED SAME WAY WHEN CHANGING
	GC: HUMAN human-factor	COURSE TO AVOID EACH OTHER. 104,000gall
46) AN: 8099	SC: GENERALOP general-operational	SPILL REPORTED.
ME: N	QY: 4.50	RA: 1
CR: AEA	IS: NONIGNITE non-ignition-of-flammable-	ID: 19960701
DA: 14/07/1996	materials	IY: 1996
LO: CHINA; GUANGXI PROVINCE;	AB: 5000litres DIESEL FUEL POURED	QR: 275
LIUZHOU	INTO RIVER IK WHEN A PUMP AT A	
MN: DIESEL FUEL	COLLECTIVE FARM'S FUEL & LUBRICANTS	
MH: FI fire	STORAGE DEPOT WAS ACCIDENTALLY	49) AN: 8077
MC: 1223	SWITCHED ON. THE FUEL POURED INTO	ME: N
IT: EXPLODE explosion-; FIRE fire-	THE RIVER FOR SEVERAL HOURS.	CR: AEA
OG: TRANSPORT transport-; SHIP	RA: 1	DA: 27/06/1996
NP: Killed: 1; Injured: >1; Evacuated:	ID: 19970716	LO: USA; SOUTH CAROLINA;
KW: COMPANY Firm or company involved;	IY: 1997	SIMPSONVILLE
DURATION Duration of the incident; INJURIES	QR: 4	MN: DIESEL FUEL
Types of, or causes of or degree of injuries		MH: FI fire
AB: 2 REFUELLING VESSELS CARRYING		MC: 1223
5t DIESEL FUEL EXPLODED & WERE	48) AN: 8093	IT: CONTREL continuous-release
COMPLETELY DESTROYED. 1 CREW	ME: N	OG: TRANSPORT transport-; PIPELINE
MEMBER SUFFERED SERIOUS BURNS TO 90%	CR: AEA	QY: 3407.00
OF BODY & DIED. DRASTIC TEMPERATURE	DA: 01/07/1996	IS: NONIGNITE non-ignition-of-flammable-
DIFFERENCE & ADDITIVES IN FUEL LED TO	LO: SOUTH KOREA; OFF WEST COAST	materials
CHEMICAL REACTION. EXACT NUMBER OF	MN: GASOLINE	KW: TIMING Timing of the incident, time of
INJURIES NOT KNOWN	MH: FI fire	day, shift, handover, lunch break, etc.; COMPANY



ID:

IY:

19951026

1995

FOX Petroli S.p.A. – Deposito Costiero di Pesaro Rapporto di Sicurezza Appendice B – Analisi storica



Firm or company involved; AFTER After effects such	ch QR: 15	SC: VEHICLE other-vehicle
as clear up, survival of injured, etc.; ENVIRMNT	`	QY: >27.30
Environmental impact of the incident (natural		KW: TIMING Timing of the incident, time of
environment)	50b) AN: 7714	day, shift, handover, lunch break, etc.
AB: PRESSURE DROP NOTICED IN 36"	ME: A-; Y	AB: ABOUT 8000GALLS DIESEL FUEL
PIPELINE STATION - CONFIRMED 1million	CR: AEA	LEAKED WHEN TRAINS CRASHED AT RAIL
galls DIESEL FUEL SPILLED FROM SPLIT IN	DA: 26/10/1995	ROAD INTERSECTION. 5000GALLS OIL
TOP OF PIPE BENEATH RIVER. OFFICE OF	, ,	RECOVERED, REMAINDER BURNED AND
PIPELINE SAFETY DEEMED PIPELINE	MN: GASOLINE	SEEPED INTO GROUND OR SPILLED INTO
HAZARDOUS TO LIFE & PROPERTY &	MH: FI fire	STORM DRAINS LEADING TO NEARBY
	MC: 1270	CREEK.
ORDERED COMPANY TO INSPECT 600miles	IT: CONTREL continuous-release	
PIPELINE.		
RA: 4	OG: TRANSPORT transport-;	ID: 19950813
ID: 19960627	ROADTANKER road-tanker	IY: 1995
IY: 1996	GC: EXTERNAL external-events; IMPACT	QR: 28
QR: 3407	impact-failure	
	SC: ROADACC road-accident,-no-other-vehicle	
	QY: 3.20	52) AN: 7610
50a) AN: 7714	IS: NONIGNITE non-ignition-of-flammable-	ME: N
ME: B; Y	materials	CR: AEA
CR: AEA	AB: TANK TRUCK WENT OFF HIGHWAY	DA: 06/08/1995
DA: 26/10/1995	IN BLIZZARD AND LEAKED ABOUT 4,600	LO: CANADA; OKAK BAY
LO: USA; COLORADO; LOVELAND PASS	GALLS DIESEL FUEL AND 1200 GALLS	MN: DIESEL FUEL
MN: DIESEL	GASOLINE. DRIVER HAD MINOR INJURIES.	MH: FI fire
MH: FI fire	RA: 1	MC: 1223
MC: 1223	ID: 19951026	IT: RELEASE release-
IT: CONTREL continuous-release	IY: 1995	OG: TRANSPORT transport-; SHIP
OG: TRANSPORT transport-;	QR: 3	GC: IMPACT impact-failure
ROADTANKER road-tanker		SC: SHIP/LAND ship-to-land-collision,-also-
GC: EXTERNAL external-events; IMPACT		barges
impact-failure	51) AN: 7619	IS: NONIGNITE non-ignition-of-flammable-
SC: ROADACC road-accident,-no-other-vehicl	, , , , , , , , , , , , , , , , , , ,	materials
QY: 15.70	CR: AEA	KW: TIMING Timing of the incident, time of
IS: NONIGNITE non-ignition-of-flammable-		day, shift, handover, lunch break, etc.
materials	LO: USA; INDIANA; MITCHELL	AB: TANKER GROUNDED WHILE
AB: TANK TRUCK WENT OFF HIGHWAY	· · · · · · · · · · · · · · · · · · ·	ENTERING OKAK BAY HARBOUR STRIKING
IN BLIZZARD AND LEAKED ABOUT 4,600	MH: FI fire	ROCK OR LEDGE. MAY HAVE BEEN SOME
GALLS DIESEL FUEL AND 1200 GALLS	MC: 1223	IMMEDIATE SPILLAGE OF CARGO OF 875TE
GASOLINE. DRIVER HAD MINOR INJURIES.		DIESEL FUEL. DECK CARGO REMOVED BY
5	,	
RA: 1	OG: TRANSPORT transport-; RAILTANKER	HELICOPTER.

Edizione Ottobre 2006 Pag. 44 di 66

IMPACT impact-failure

RA:

ID:

19950806

rail-tanker

GC:





IY:	1995	SC:	ROADACC road-accident,-no-other-vehicle		
		QY:	0.91		
		KW:	TIMING Timing of the incident, time of	56)	AN: 7321
53)	AN: 7576	day, shi	ft, handover, lunch break, etc.	ME:	N
ME:	N	AB:	2000lbs OF 18,000lbs GRANULAR	CR:	AEA
CR:	AEA	AMMC	NIUM NITRATE SPILLED FROM	DA:	23/01/1994
DA:	13/07/1995	EXPLO	OSIVES DELIVERY TRUCK THAT	LO:	USA; FLORIDA; ST. CLOUD
LO:	USA; TEXAS; DEER PARK	OVER'	TURNED. TRUCK ALSO CARRIED	MN:	DIESEL
MN:	CRUDE OIL	ABOU'	T 200lbs OF GEL-LIKE EMULSION	MH:	FI fire
MH:	FI fire	MIXTU	JRE OF AMMONIUM NITRATE, DIESEL	MC:	1223
MC:	1267	FUEL 6	& WATER. TRUCK ALSO CARRYING 160	IT:	CONTREL continuous-release
IT:	FIRE fire-	STICK	S DYNAMITE.	OG:	DOM/COM domestic-or-commercial
OG:	PROCESS process-; PVESSEL process-	RA:	1	GC:	HUMAN human-factor
vessels		ID:	19950524	SC:	GENERALOP general-operational
NP:	Killed:; Injured: 0; Evacuated:	IY:	1995	QY:	< 0.07
KW:	DURATION Duration of the incident;	ER:	6	IS:	NONIGNITE non-ignition-of-flammable-
TIMIN	G Timing of the incident, time of day, shift,	QR:	0	material	
	er, lunch break, etc.	`		KW:	RESPONSE Emergency response to the
AB:	FIRE IN COKER UNIT PROCESSING			incident	0,1
	E OIL INTO JET FUEL, DIESEL &	55)	AN: 7393	AB:	CUSTOMER AT FOOD STORE/GAS
	LINE AT REFINERY. HOUSTON SHIP	MÉ:	N	STATIO	ON FUELLING TRUCK WHEN HE
	NEL RESTRICTED DURING FIRE.	CR:	AEA	WEDG	EDAN OBJECT INTO NOZZLE TO
RA:	2	DA:	15/03/1995		IT OPEN WHILE HE WENT INTO
ID:	19950713	LO:	UK; CAMBRIDGESHIRE;		E. AUTOMATIC SHUT- OFF DID NOT
IY:	1995		ERSBRIDGE		TION PROPERLY & 15-20galls DIESEL
IR:	0	MN:	GASOIL		SPILLED. SAND USED TO ABSORB
	·	MH:	FI fire	SPILLA	
		MC:	1223	RA:	1
54)	AN: 7490	OG:	TRANSPORT transport-;	ID:	19940123
ME:	N		TANKER road-tanker	IY:	1994
CR:	AEA	GC:	IMPACT impact-failure	QR:	0+
DA:	24/05/1995	SC:	ROADACC road-accident,-no-other-vehicle	21	V ·
LO:	USA; GEORGIA; METRO ATLANTA	IS:	NONIGNITE non-ignition-of-flammable-		
MN:	AMMONIUM NITRATE	materia		57)	AN: 7318
MH:	OX oxidising; EX explosive	KW:	PHOTO Hard copy contains	ME:	N /510
MC:	2072		raph(s); RESPONSE Emergency response to	CR:	AEA
IT:	CONTREL continuous-release	the inci		DA:	22/01/1995
OG:	TRANSPORT transport-; PACKAGE	AB:	>100galls DIESEL FUEL LEAKED	LO:	USA; CALIFORNIA; SUNSET BEACH
	e-transport-containers		DYKE AFTER TANKER OVERTURNED.	MN:	FUEL OIL
NP:	Killed:; Injured:; Evacuated: >0.005 x	RA:	1	MH:	FI fire
10E3	Kined, Injuica, Evacuated. > 0.003 x	ID:	19950315	MC:	1223
GC:	IMPACT impact-failure	ID: IY:	1995	OG:	TRANSPORT transport-; BARGE
GC:	IVII ACT IIIIpact-tanute	11.	1773	OG:	TRAINSFORT transport; DARGE





NP: Killed:; Injured: 0; Evacuated:	MATERIAL SPILLED. PRODUCTS STOPPED	MH: FI fire
GC: IMPACT impact-failure	FROM LEAKING INTO NEARBY WATER.	MC: 1223
SC: SHIP/LAND ship-to-land-collision,-also-	RA: 1	IT: CONTREL continuous-release
barges	ID: 19950111	OG: TRANSPORT transport-; RAILTANKER
IS: NONIGNITE non-ignition-of-flammable-	IY: 1995	rail-tanker
materials	11. 1773	GC: IMPACT impact-failure
KW: TIMING Timing of the incident, time of		SC: RAILACC rail-accident,-no-other-vehicle
day, shift, handover, lunch break, etc.	58b) AN: 7297	QY: 49.10
AB: FUEL BARGE IN TOW STRUCK	ME: A-; Y	IS: NONIGNITE non-ignition-of-flammable-
FLOATING BRIDGE CAUSING DAMAGE TO	CR: AEA	materials
BRIDGE. NONE OF 375,000galls DIESEL FUEL	DA: 11/01/1995	KW: PHOTO Hard copy contains
ON BOARD LEAKED FROM BARGE	LO: USA; NEW JERSEY; CLINTON	photograph(s); TIMING Timing of the incident, time
ALTHOUGH ACCIDENT CAUSED HOLE IN	TOWNSHIP	of day, shift, handover, lunch break, etc.
BARGE'S BOW.	MN: DIESEL FUEL	AB: THREE RAIL TANKERS EACH
RA: 1	MH: FI fire	CARRYING 72te DIESEL FUEL OVERTURNED
ID: 19950122	MC: 1223	ON RAILWAY LINE WHEN TRAIN SLICED
ID: 19930122 IY: 1995	IT: CONTREL continuous-release	THROUGH POWER CABLE & DERAILED
IR: 0	OG: TRANSPORT transport-; PACKAGE	12000galls DIESEL SPILLED.
nx. 0	portable-transport-containers	RA: 3
58a) AN: 7297	GC: IMPACT impact-failure	ID: 19950104
ME: B; Y	SC: ROADACC road-accident,-no-other-vehicle	IY: 1995
CR: AEA	IS: NONIGNITE non-ignition-of-flammable-	
DA: 11/01/1995	materials	QR: 49
LO: USA; NEW JERSEY; CLINTON TOWNSHIP	KW: RESPONSE Emergency response to the incident	60) AN: 7254
MN: CORROSIVE MATERIAL	AB: TRACTOR TRAILER COLLIDED WITH	ME: N
MH: FI fire	TANDEM TRAILER. TANDEM RIG WENT	CR: AEA
MC: 1760	OVER GUARDRAIL & DOWN EMBANKMENT.	DA: 16/12/1994
IT: CONTREL continuous-release	TWO DRUMS DIESEL FUEL & CORROSIVE	LO: VIETNAM; BINH DINH
OG: TRANSPORT transport-; PACKAGE	MATERIAL SPILLED. PRODUCTS STOPPED	MN: DIESEL FUEL
± ·	FROM LEAKING INTO NEARBY WATER.	MH: FI fire
portable-transport-containers GC: IMPACT impact-failure	RA: 1	MC: 1223
SC: ROADACC road-accident,-no-other-vehicle	ID: 19950111	IT: CONTREL continuous-release
IS: NONIGNITE non-ignition-of-flammable-	ID: 19930111 IY: 1995	OG: TRANSFER loading, unloading;
materials	11. 1993	PIPEWORK
KW: RESPONSE Emergency response to the incident	59) AN: 7283	IS: NONIGNITE non-ignition-of-flammable- materials
AB: TRACTOR TRAILER COLLIDED WITH	ME: N	AB: PIPELINE FROM TANKER TO
	ME: N CR: AEA	STORAGE TANK BROKE OFF SPILLING
TANDEM TRAILER. TANDEM RIG WENT		
OVER GUARDRAIL & DOWN EMBANKMENT.	DA: 04/01/1995	APPROXIMATELY 37,000l DIESEL FUEL INTO
TWO DRUMS DIESEL FUEL & CORROSIVE	LO: UK; DERBYSHIRE; SANDIACRE	SEA.

Edizione Ottobre 2006 Pag. 46 di 66

RA:

2

MN:

DIESEL





ID: 199412	16	MH:	FI fire	AB:	ROAD CLOSED FOR 12hours AFTER
IY: 1994		MC:	1267	TRUCK	CARRYING 14,000 galls PROPANE
		IT:	CONTREL continuous-release	APPARI	ENTLY HIT DEBRIS ON ROADWAY
		OG:	TRANSPORT transport-; PIPELINE	WHICH	CUT DIESEL LINES. RIG BEGAN TO
61a) AN:	7180	GC:	IMPACT impact-failure	SLIDE (ON DIESEL FUEL. PROPANE DID
MÉ: B; Y		SC:	SHIP/LAND ship-to-land-collision,-also-		EAK & THERE WAS NO IGNITION.
CR: AEA		barges	F	RA:	1
DA: 07/11/	1994	QY:	14.40	ID:	19941107
, ,	MARYLAND; BALTIMORE	IS:	NONIGNITE non-ignition-of-flammable-	IY:	1994
· · · · · · · · · · · · · · · · · · ·	L FUEL	materials		11.	
MH: FI fire	ET CEE	KW:	COMPANY Firm or company involved;		
MC: 1223			G Timing of the incident, time of day, shift,	63)	AN: 7070
	SPORT transport-; PIPELINE		r, lunch break, etc.	ME:	N 7070
GC: IMPAC	T impact-failure	AB:	BERTHING VEHICLE CARRIER	CR:	AEA
	LAND ship-to-land-collision,-also-		X TERMINAL PIER. PIER PART	DA:	09/09/1994
barges			RGED ALONG WITH FIVE PIPELINES,	LO:	USA; NEW YORK; BRANT
QY: 14.40			CONTAINING SOAP-MAKING	MN:	DIESEL FUEL
	GNITE non-ignition-of-flammable-		IALS. OTHERS CONTAINED DIESEL	MH:	FI fire
materials			OIL-GAS MIXTURE. 16000l OIL-GAS	MC:	1223
	ANY Firm or company involved;		RE LEAKED TO BAY FROM CRACKED	IT:	CONTREL continuous-release
	of the incident, time of day, shift,	LINE. I	BOOMS IN PLACE.	OG:	TRANSPORT transport-;
handover, lunch b	oreak, etc.	RA:	2		ANKER road-tanker
AB: BERTH	HING VEHICLE CARRIER	ID:	19941107	NP:	Killed:; Injured:; Evacuated: >0.001 x
STRUCK TERM	INAL PIER. PIER PART	IY:	1994	10E3	
SUBMERGED A	ALONG WITH FIVE PIPELINES,	QR:	14	GC:	IMPACT impact-failure
THREE CONTA	AINING SOAP-MAKING			SC:	VEHICLE other-vehicle
MATERIALS. C	THERS CONTAINED DIESEL			QY:	<10.20
FUEL & OIL-GA	AS MIXTURE. 16000l OIL-GAS	62)	AN: 7179	IS:	NONIGNITE non-ignition-of-flammable-
MIXTURE LEAD	KED TO BAY FROM CRACKED	MÉ:	N	materials	5
LINE. BOOMS	IN PLACE.	CR:	AEA	AB:	TANKER TRUCK LOADED WITH
RA: 2		DA:	07/11/1994	3000gall:	S DIESEL FUEL CRASHED INTO BEER
ID: 199411	07	LO:	USA; UTAH; SALT LAKE CITY	0	, PARTIALLY SPILLING ITS LOAD &
IY: 1994		MN:	PROPANE		NG EVACUATION OF RESIDENTS
QR: 14		MH:	FI fire		N HALF A MILE OF THE SCENE.
<u></u>		MC:	1075		LOAD OF SAND USED TO SOAK UP
		OG:	TRANSPORT transport-;		D FUEL.
61b) AN:	7180		ANKER road-tanker	RA:	1
ME: A-; Y	7100	GC:	IMPACT impact-failure	ID:	19940909
CR: AEA		SC:	ROADACC road-accident,-no-other-vehicle	IY:	1994
DA: 07/11/	1004	IS:	NONIGNITE non-ignition-of-flammable-	ER:	2
, ,	1994 IARYLAND; BALTIMORE	materials		QR:	9
	AS MIXTURE	KW:	DURATION Duration of the incident	QIL.	,
MIN. OIL-G	MO MIATURE	IXW:	DORATION Duration of the incident		



Killed: --; Injured: --; Evacuated: 0.15 x

NP:



	111. Illiedi , Illiaredi , Il raedatedi orio il	
64) AN: 7068	10E3	
ME: N	GC: IMPACT impact-failure	66b) AN: 6999
CR: AEA	SC: VEHICLE other-vehicle	ME: A-; Y
DA: 08/09/1994	QY: 0.17	CR: AEA
LO: CANADA; BRITISH COLUMBIA;	IS: NONIGNITE non-ignition-of-flammable-	DA: 25/07/1994
WINDY CRAGGY	materials	LO: USA; TEXAS; MARATHON
MN: DIESEL FUEL	AB: DUMP TRUCK BACKED INTO FUEL	MN: PEROXIDE
MH: FI fire	TRUCK SPILLING 50galls DIESEL FUEL INTO	MH: OX oxidising
MC: 1223	PARKING LOT. 150 CHILDREN EVACUATED	MC: 2756
IT: CONTREL continuous-release	FROM SITE.	OG: TRANSPORT transport-
OG: DOM/COM domestic-or-commercial;	RA: 1	GC: IMPACT impact-failure; EXTERNAL
COMMTANK small-commercial-tank	ID: 19940808	external-events
QY: <17.00	IY: 1994	SC: RAILACC rail-accident,-no-other-vehicle;
IS: NONIGNITE non-ignition-of-flammable-	ER: 150	EXTNLFIRE fire
materials	QR: 0	AB: TWO FREIGHT TRAINS HEADING IN
AB: DIESEL FUEL SPILL FROM 5000gall	Q.u. v	OPPOSITE DIRECTIONS COLLIDED. FIRE
STORAGE TANK AT MINING RESERVE.		FROM LEAKING DIESEL FUEL. SOME
CLEAN-UP TO CONTINUE THROUGHOUT	66a) AN: 6999	HAZARDOUS MATERIALS CARS WERE
THE WEEK. MINING PLANS TERMINATED	ME: B; Y	INVOLVED, BUT NO DANGEROUS SPILLS
IN 1993, BUT BUILDINGS & EQUIPMENT	CR: AEA	REPORTED. BOTH TRAINS REPORTED TO
REMAINED IN PARK WHILE	DA: 25/07/1994	BE CARRYING PRODUCTS INCLUDNG PAINT
COMPENSATION CLAIMED FOR CANCELLED	LO: USA; TEXAS; MARATHON	& PEROXIDE.
PROJECT.	MN: PAINT	RA: 3
RA: 1	MH: FI fire	ID: 19940725
ID: 19940908	MC: 1263	IY: 1994
IY: 1994	OG: TRANSPORT transport-	221
QR: 16	GC: IMPACT impact-failure; EXTERNAL	
Z 10	external-events	67) AN: 6889
	SC: RAILACC rail-accident,-no-other-vehicle;	ME: D; Y
65) AN: 7015	EXTNLFIRE fire	CR: AEA
ME: N	AB: TWO FREIGHT TRAINS HEADING IN	DA: 27/05/1994
CR: AEA	OPPOSITE DIRECTIONS COLLIDED. FIRE	LO: USA; OHIO; BELPRE
DA: 08/08/1994	FROM LEAKING DIESEL FUEL. SOME	MN: DIESEL FUEL
LO: USA; MASSACHUSETTS;	HAZARDOUS MATERIALS CARS WERE	MH: FI fire
DORCHESTER	INVOLVED, BUT NO DANGEROUS SPILLS	MC: 1223
MN: DIESEL FUEL	REPORTED. BOTH TRAINS REPORTED TO	OG: STORAGE storage-; ASVESSEL storage-
MH: FI fire	BE CARRYING PRODUCTS INCLUDNG PAINT	vessels,-atmospheric-pressure
MC: 1223	& PEROXIDE.	NP: Killed: 3; Injured:; Evacuated: 1.7 x 10E3
IT: CONTREL continuous-release	RA: 3	QY: 1060.00
OG: TRANSPORT transport-;	ID: 19940725	KW: COMPANY Firm or company involved;
ROADTANKER road-tanker	IY: 1994	DURATION Duration of the incident; RESPONSE
		,





Emergency response to the incident; TIMING Timing	RESPONSE TEAM TRIED TO IDENTIFY	MH: FI fire	
of the incident, time of day, shift, handover, lunch	CHEMICAL.	MC: 1223	
break, etc.; PHOTO Hard copy contains	RA: 1	IT: CONTREL continuous-release	
photograph(s)	ID: 19940514	OG: TRANSPORT transport-; PIPELINE	
AB: EXPLOSION & FIRE AT CHEMICAL	IY: 1994	GC: EXTERNAL external-events	
PROCESSING UNIT OF RESIN PLANT		SC: SABOTAGE sabotage-or-vandalism	
PRODUCING THERMOPLASTIC		QY: 157.00	
ELASTOMERS. TANKS CONTAINING 5000te	69) AN: 6832	IS: NONIGNITE non-ignition-of-flammable-	
STYRENE, CYCLOHEXANE & DIESEL	ME: N	materials	
BELIEVED TO HAVE BEEN AFFECTED. 1	CR: AEA	AB: DIESEL FUEL SPILLED FROM	
EMPLOYEE FOUND DEAD & 2 OTHERS	DA: 19/04/1994	PIPELINE INTO RIVER UZH AFTER THIEVES	
MISSING BELIEVED DEAD. PLANT CLOSED.	LO: TAIWAN; KAOHSIUNG	TRIED TO SYPHON FUEL. SPILL POLLUTED	
RA: 8	MN: DIESEL FUEL OIL	WATERS IN NEIGHBOURING SLOVAKIA &	
ID: 19940527	MH: FI fire	HUNGARY. HIGH WATER LEVELS	
IY: 1994	MC: 1223	PREVENTED ATTEMPTS TO CONFINE SLICK	
KR: 3	IT: CONTREL continuous-release	TO UKRAINE. SPILL CUT WATER SUPPLIES.	
ER: 1700	OG: TRANSPORT transport-; BARGE	RA: 1	
QR: 1060	GC: MECHANICAL mechanical-failure	ID: 19940316	
Q10. 1000	IS: NONIGNITE non-ignition-of-flammable-	IY: 1994	
	materials	QR: 157	
68) AN: 6870	KW: TIMING Timing of the incident, time of	Qrc 137	
ME: N	day, shift, handover, lunch break, etc.; AREA Size of		
CR: AEA	the area affected	71) AN: 6752	
DA: 14/05/1994	AB: WATER INGRESS ON 39year OLD	ME: N	
LO: USA; OHIO; MADISON	TANK BARGE PRIOR TO BUNKERING	CR: AEA	
MN: GASOLINE	VESSEL. BARGE SANK 5min AFTER INGRESS	DA: 25/02/1994	
MH: FI fire	BEGAN FROM CRACK IN HULL DUE TO	LO: USA; ILLINOIS; DIXMOOR	
MC: 1270	VESSEL'S AGE. LEAK 300m BY 300m & 10cm	MN: DIESEL FUEL	
OG: STORAGE storage-; ASVESSEL storage-	THICK. 6 CREW & 1 DELIVERY STAFF SAFE.	MH: FI fire	
8 / 8	BARGE REFLOATED & TOWED AWAY FROM	MC: 1223	
vessels,-atmospheric-pressure IS: NONIGNITE non-ignition-of-flammable-	INCIDENT SITE		
materials		OG: TRANSPORT transport-; RAILTANKER rail-tanker	
	ID: 19940419 IY: 1994		
TIMING Timing of the incident, time of day, shift,	11: 199 4	GC: IMPACT impact-failure	
handover, lunch break, etc.		SC: RAILACC rail-accident,-no-other-vehicle	
AB: TRUCK BELONGING TO COMPANY	70) AN (77)	IS: NONIGNITE non-ignition-of-flammable-	
THAT RELINES UNDERGROUND STORAGE	70) AN: 6776	materials	
TANKS LEAKED DIESEL FUEL WHILE	ME: N	AB: TWO CARS DERAILED INCLUDING	
PARKED ABOVE UNDERGROUND	CR: AEA	ONE LOADED WITH DIESEL FUEL. THERE	
GASOLINE TANKS. AREA DIKED OFF TO	DA: 16/03/1994	WERE NO INJURIES EXCEPT FOR A	
KEEP MATERIAL FROM SEWERS &	LO: UKRAINE	FIREFIGHTER WHO GOT A BROKEN WRIST	
	MN: DIESEL	IN A FALL.	

Edizione Ottobre 2006 Pag. 49 di 66





RA:	1
ID:	19940225
IY:	1994
IR:	0
72)	AN: 6751
ME:	N
CR:	AEA
DA:	25/02/1994
LO:	JAPAN; KAWASAKI
MN:	DIESEL FUEL
MH:	FI fire
MC:	1223
IT:	RELEASE release-; FIRE fire-
OG:	PROCESS process-; PVESSEL process-
vessels	
NP:	Killed:; Injured: 0; Evacuated:
KW:	COMPANY Firm or company involved;
	G Timing of the incident, time of day, shift,
handove	er, lunch break, etc.
AB:	FIRE ENGULFED FLUID CATALYTIC
	ING UNIT AT REFINERY FOLLOWING
	OF DIESEL FUEL. 50-60m HIGH WALL
	ME LIT UP THE NIGHT & THICK
	IN OF BLACK SMOKE DESCENDED
ON TH	E SURROUNDING NEIGHBOURHOOD.
NO INJ	
RA:	3
ID:	19940225
IY:	1994
IR:	0
73)	AN: 6738
ME:	N
CR:	AEA
DA:	20/02/1994
LO:	USA; NEW YORK; DUNKIRK
MN:	DIESEL FUEL
MH:	FI fire

	CONTREL continuous-release
OG:	STORAGE storage-; ASVESSEL storage-
vessels,-	atmospheric-pressure
GC:	MECHANICAL mechanical-failure
SC:	VALVE leaking-or-passing-valve
QY:	>3.40
IS:	NONIGNITE non-ignition-of-flammable
material	~
KW:	COMPANY Firm or company involved;
	Size of the area affected; AFTER After effect
such as	clear up, survival of injured, etc.;
	MNT Environmental impact of the incident
	environment); RESPONSE Emergency
1	e to the incident
AB:	MORE THAN 1000galls DIESEL
	D FROM VALVE ON 10000gall TANK.
	COVERED 1 acre OF LAND. OIL
	IS WERE OBSERVED ON A SMALL
STREA	M & DRAINAGE DITCH AS WELL AS
ON LA	KE.
RA:	1
ID:	19940220
IY:	1994
QR:	4
74)	AN: 6732
ME:	N
CR:	AEA
DA:	17/02/1994
LO:	USA; NEW JERSEY; NORTH
BRUNS	
MN:	DIESEL FUEL
MH:	FI fire
MC:	1223
IT:	CONTREL continuous-release
OG:	TRANSPORT transport-;
\circ \circ .	ΓANKER road-tanker
	3.10
ROAD'	

KW:	DURATION Duration of the incident;				
RESPO	NSE Emergency response to the incident				
AB:	ABOUT 900galls DIESEL FUEL				
SPILLE	D FROM TANK TRUCK CLOSING				
	CH OF ROAD FOR THREE HOURS.				
RESPO	NSE CREWS ON SCENE.				
RA:	1				
ID:	19940217				
IY:	1994				
QR:	3				
	13.5				
75)	AN: 6666				
ME:	N				
CR:	AEA				
DA:	05/01/1993				
LO:	UK; SHETLAND; GARTH'S NESS				
MN:	CRUDE OIL				
MH:	FI fire				
MC:	1267				
IT:	CONTREL continuous-release				
OG:	TRANSPORT transport-; SHIP				
GC:	EXTERNAL external-events; HUMAN				
	actor; IMPACT impact-failure				
SC:	HIGHWINDS high-winds; GENERALOP				
	operational; SHIP/LAND ship-to-land- ,-also-barges				
	-aiso-barges 85000.00				
QY: IS:	NONIGNITE non-ignition-of-flammable-				
materials	2				
KW:	ENVIRMNT Environmental impact of the				
	(natural environment); PHOTO Hard copy				
	photograph(s); WEATHER Weather				
	ns at the time of, or during, the incident;				
	G Timing of the incident, time of day, shift,				
	r, lunch break, etc.; RESPONSE Emergency				
	response to the incident				
AB:	CONTAMINATION OF DIESEL FUEL				
	WATER ENTERING TANKS FROM				
	CED AID DIDEC & CUDCEOUENT LOCC				

DAMAGED AIR PIPES & SUBSEQUENT LOSS OF PROPULSION & ELECTRICAL POWER

CAUSED TANKER BRAER TO RUN AGROUND

Edizione Ottobre 2006

MC:

1223





	ASING 85,000te CRUDE OIL TO SEA.	LO:	USA; ALASKA; COOK INLET
	ER CITED FOR DERELICTION OF	MN:	DIESEL FUEL
DUTY		MH:	FI fire
RA:	>100	MC:	1223
ID:	19930105	IT:	CONTREL continuous-release
IY:	1993	OG:	TRANSPORT transport-; SHIP
QR:	85000	GC:	IMPACT impact-failure
		QY:	20.20
		IS:	NONIGNITE non-ignition-of-flammable
76)	AN: 6459	materia	
ME:	N	AB:	5925galls OIL SPILLED WHEN OIL
CR:	AEA		RESPONSE VESSEL STRUCK OIL
DA:	01/10/1993		FORM & SPILLED DIESEL FUEL IN
LO:	UK; WEST SUSSEX; SLAUGHAM		INLET. MINIMAL AMOUNT
MN:	DIESEL	RECO	VERED AS DIESEL FUEL WILL HAVE
MH:	FI fire	EVAPO	ORATED QUICKLY. MECHANICAL
MC:	1223		LEMS RULED OUT AS CAUSE OF
IT:	CONTREL continuous-release	INCID	ENT.
OG:	TRANSPORT transport-;	RA:	2
	TANKER road-tanker	ID:	19930823
QY:	0.54	IY:	1993
IS:	NONIGNITE non-ignition-of-flammable-	QR:	20
materia			
KW:	RESPONSE Emergency response to the		
	t; DISPERSE Dispersion of material	78)	AN: 6251
AB:	ABOUT 6001 DIESEL FUEL SEEPED	ME:	N
	SPLIT TANK ON LORRY. 2mile LONG	CR:	AEA
	AGE CAUSED CLOSURE OF	DA:	16/06/1993
	HBOUND CARRIAGEWAY OF ROAD &	LO:	USA; OHIO; LORAIN HARBOUR
	TAILBACKS. FIREMEN SPRAYED FOAM	MN:	DIESEL FUEL
	OP OF STEEP HILL TO GIVE LORRIES A	MH:	FI fire
GRIP &	& COUNCIL WORKERS SANDED ROAD.	MC:	1223
RA:	1	IT:	RELEASE release-
ID:	19931001	OG:	TRANSPORT transport-; BARGE
IY:	1993	GC:	EXTERNAL external-events;
QR:	0	MECH	ANICAL mechanical-failure
		SC:	HIGHWINDS high-winds
		IS:	NONIGNITE non-ignition-of-flammable
77)	AN: 6406	materia	
ME:	N	KW:	COMPANY Firm or company involved;
CR:	AEA	TIMIN	G Timing of the incident, time of day, shift,
DA:	23/08/1993		

handove	r, lunch break, etc.; DISPERSE Dispersion of			
material				
AB:	TOWED DREDGER BARGE SANK IN			
	AR HARBOUR WITH 1500galls DIESEL			
	ARD. FUEL LEAKED FROM			
SUBME	RGED BARGE TO LAKE. BARGE			
SANK V	WHEN TUG PULLING HER TURNED			
BECAU	SE OF HIGH WAVES & GUSTING			
WINDS.	. TUGS TOWLINE BECAME			
ENTAN	GLED IN PROPELLOR.			
RA:	2			
ID:	19930616			
IY:	1993			
79)	AN: 6216			
ME:	N			
CR:	AEA			
DA:	02/06/1993			
LO:	USA; TEXAS; EL PASO			
MN:	DIESEL FUEL			
MH:	FI fire			
MC:	1223			
IT:	FIRE fire-; EXPLODE explosion-			
OG:	PROCESS process-; PIPEWORK			
NP:	Killed:; Injured: 1; Evacuated:			
KW:	COMPANY Firm or company involved;			
EYEWI'	I'NS Includes eyewitness account(s);			
DURAT	ION Duration of the incident			
AB:	FIRE & EXPLOSIONS AFTER DIESEL			
FUEL LEAKED FROM A PIPE CONNECTED				
TO AS (CRUDE OIL TANK. REPORTS STATE			
THAT E	EMPLOYEE TRIED TO SHUT SYSTEM			
DOWN,	BUT WHEN HE DID PILOT IGNITED			
RESULT	TING IN FIRE. BLAZE CONTAINED			
WITHIN 3 hours. 1 WORKER INJURED.				
RA:				
ID:	19930602			
IY:	1993			

Pag. 51 di 66

IR:

1

Edizione Ottobre 2006





80) ME:	AN: 6148 N	KW:	NUISANCE Nuisance (non-hazardous) by the incident	QR:	1143
CR:	AEA	AB:	OIL SPILLED FOLLOWING RUPTURE		
DA:	13/04/1993		PELINE CAUSED BY A BACKHOE	82)	AN: 5982
LO:	USA; LOUISIANA; FORKED ISLAND		E AN UNIDENTIFIED THIRD PARTY	ME:	N 3902
MN:	DIESEL FUEL OIL		XCAVATING NEAR THE SCENE.	CR:	SRD
MH:	FI fire		T 8000bbl NO2 DIESEL FUEL AND	DA:	06/12/1992
MC:	1223		ING OIL ESCAPED FROM THE	LO:	USA; FLORIDA; TAMPA
IT:	CONTREL continuous-release		INE AS A RESULT OF THE MISHAP.	MN:	DIESEL FUEL OIL
OG:	TRANSPORT transport-; BARGE	RA:	1	MH:	FI fire
GC:	IMPACT impact-failure	ID:	19930328	MC:	1223
SC:	SHIP/SHIP ship-to-ship-collision,-also-	IY:	1993	IT:	CONTREL continuous-release
barges	, 1 1	QR:	1143	OG:	TRANSFER loading,-unloading; SHIP
QY:	80.00	`		QY:	3.90
IŠ:	NONIGNITE non-ignition-of-flammable-			IS:	NONIGNITE non-ignition-of-flammable-
materials		81b)	AN: 6127	materia	
AB:	PUSHER TUG LOST STEERING &	MÉ:	A-; Y	AB:	FINGER SIZED HOLE DISCOVERED
GROUN	NDED. TANK BARGE DAMAGED &	CR:	SRD	IN HU	LL OF DISCHARGING TANKER.
LEAKE	D 80te FUEL OIL INTO	DA:	28/03/1993	BOOM	IS CONTAINED 56001 SPILL, AND LEAK
INTRA	COASTAL WATERWAY.	LO:	USA; VIRGINIA; RESTON	STOPF	PED WHEN REMAINING CARGO
RA:	2	MN:	DIESEL FUEL	PUMP	ED TO STORAGE TANKS.
ID:	19930413	MH:	FI fire	RA:	1
IY:	1993	MC:	1223	ID:	19921206
QR:	80	IT:	CONTREL continuous-release	IY:	1992
		OG:	TRANSPORT transport-; PIPELINE	QR:	3
		GC:	IMPACT impact-failure		
81a)	AN: 6127	SC:	EXCAVEQUIP excavating-equipment		
ME:	В; Ү	QY:	1143.00	83)	AN: 5928
CR:	SRD	IS:	NONIGNITE non-ignition-of-flammable-	ME:	N
DA:	28/03/1993	materia	ls	CR:	SRD
LO:	USA; VIRGINIA; RESTON	KW:	NUISANCE Nuisance (non-hazardous)	DA:	25/10/1992
MN:	DIESEL FUEL		by the incident	LO:	USA; CALIFORNIA; LOS ANGELES
MH:	FI fire	AB:	OIL SPILLED FOLLOWING RUPTURE	MN:	GASOLINE
MC:	1223		PELINE CAUSED BY A BACKHOE	MH:	FI fire
IT:	CONTREL continuous-release		E AN UNIDENTIFIED THIRD PARTY	MC:	1270
OG:	TRANSPORT transport-; PIPELINE		XCAVATING NEAR THE SCENE.	IT:	RELEASE release-; FIRE fire-
GC:	IMPACT impact-failure		T 8000bbl NO2 DIESEL FUEL AND	OG:	TRANSPORT transport-;
SC:	EXCAVEQUIP excavating-equipment		ING OIL ESCAPED FROM THE		TANKER road-tanker
QY:	1143.00		INE AS A RESULT OF THE MISHAP.	GC:	IMPACT impact-failure
IS:	NONIGNITE non-ignition-of-flammable-	RA:	1	SC:	ROADACC road-accident,-no-other-vehicle
materials	3	ID:	19930328	QY:	<22.70
		IY:	1993		

Edizione Ottobre 2006 Pag. 52 di 66





AB: IT TOOK 90 FIREFIGHTERS TO DOUSE 7500galls BURNING GASOLINE & DIESEL FUEL SPILLED AFTER TANKER TRAILER CRASHED AT FREEWAY INTERCHANGE. BURNING FUEL ESCAPED INTO THE SHALLOW LOS ANGELES RIVER, BUT WAS STOPPED BY BOOMS BEFORE REACHING OCEAN.

RA: 1

ID: 19921025 IY: 1992 QR: 21

84) AN: 5844

ME: N CR: SRD

DA: 31/08/1992

LO: CANADA; NEW BRUNSWICK; GEARY

MN: GASOLINE MH: FI fire

MC: 1270

IT: EXPLODE explosion-; FIRE fire-

OG: TRANSPORT transport-; ROADTANKER road-tanker GC: IMPACT impact-failure

SC: ROADACC road-accident,-no-other-vehicle KW: TIMING Timing of the incident, time of

day, shift, handover, lunch break, etc.

AB: DRIVER OF TRUCK CARRYING GASOLINE & DIESEL FUEL WAS HELPED BY PASSING MOTORIST TO EVACUATE HIS TRAILER TRUCK CAB BEFORE THE TRUCK EXPLODED IN A FIRE AFTER A CRASH ON ROUTE 7.

RA: 1

ID: 19920831 IY: 1992

85a) AN: 5825

ME: B; Y

CR: SRD DA: 16/08/1992

LO: USA; NEW YORK; HUNTINGTON

MANOR

MN: DIESEL MH: FI fire MC: 1223

IT: RELEASE release-

GC: EXTERNAL external-events

SC: FLOODS flooding

IS: NONIGNITE non-ignition-of-flammable-

materials

KW: DURATION Duration of the incident;

RESPONSE Emergency response to the incident

AB: SERVICE STATION UNDER

RENOVATION FLOODED DUE TO HEAVY RAINS. GASOLINE AND DIESEL FUEL

ESCAPED VIA A CONSTANT STREAM OF RAINWATER. STORM DRAINS WERE DIKED

& WATER FLOW DAMMED. FIRE

DEPARTMENT WERE AT SITE FOR JUST

UNDER THREE HOURS.

RA: 1

ID: 19920816

IY: 1992

85b) AN: 5825

ME: A-; Y CR: SRD

DA: 16/08/1992

LO: USA; NEW YORK; HUNTINGTON

MANOR

MN: GASOLINE MH: FI fire

MC: 1270

IT: RELEASE release-

OG: STORAGE storage-; ASVESSEL storage-

vessels,-atmospheric-pressure

GC: EXTERNAL external-events

SC: FLOODS flooding

IS: NONIGNITE non-ignition-of-flammable-materials

KW: DURATION Duration of the incident; RESPONSE Emergency response to the incident

AB: SERVICE STATION UNDER RENOVATION FLOODED DUE TO HEAVY

RAINS. GASOLINE AND DIESEL FUEL ESCAPED VIA A CONSTANT STREAM OF

RAINWATER. STORM DRAINS WERE DIKED

& WATER FLOW DAMMED. FIRE

DEPARTMENT WERE AT SITE FOR JUST

UNDER THREE HOURS.

RA: 1

ID: 19920816 IY: 1992

86) AN: 5721

ME: N

CR: SRD

DA: 23/10/1992

LO: UK; DERRY'S CROSS

MN: DIESEL MH: FI fire

MC: 1223

IT: RELEASE releaseOG: TRANSPORT transportGC: IMPACT impact-failure

SC: ROADACC road-accident,-no-other-vehicle IS: NONIGNITE non-ignition-of-flammable-

materials

KW: TIMING Timing of the incident, time of

day, shift, handover, lunch break, etc.

AB: SPILLAGE OF DIESEL FUEL FROM FLATBED LORRY AS IT NEGOTIATED CITY CENTRE ROUNDABOUT. COUNCIL

WORKMEN SANDED OVER SPILLAGE.

RA: 1

ID: 19921023

IY: 1992





87)	AN: 5264	ID:	19910925	IT:	FIRE fire-
MÉ:	N	IY:	1991	OG:	TRANSPORT transport-; RAILTANKER
CR:	SRD	KR:	1	rail-tanl	
DA:	05/12/1991			NP:	Killed: 1; Injured: 5; Evacuated: 0.04 x 10E3
LO:	CANADA; SASKATCHEWAN;			GC:	IMPACT impact-failure
BASSW	OOD	89a)	AN: 5130	SC:	VEHICLE other-vehicle
MN:	DIESEL FUEL	ME:	В; Ү	KW:	PHOTO Hard copy contains photograph(s)
MH:	FI fire	CR:	SRD	AB:	HEAD ON COLLISION BETWEEN 95
MC:	1223	DA:	17/09/1991	AND 3	35 CAR FREIGHT TRAINS. FIRE FROM
OG:	TRANSPORT transport-; RAILTANKER	LO:	USA; INDIANA; KNOX	SPILT	SULPHUR AND DIESEL FUEL CAUSING
rail-tank		MN:	DIESEL	LARGI	E BLACK SMOKE CLOUD. ENGINEER
GC:	IMPACT impact-failure	MH:	FI fire	KILLE	D, 5 CREW INJURED AND 40
SC:	RAILACC rail-accident,-no-other-vehicle	MC:	1223	EVACU	UATED.
AB:	SEVEN TANK CARS CARRYING	IT:	FIRE fire-	RA:	3
DIESE	L FUEL DERAILED, BUT REMAINED	OG:	TRANSPORT transport-; RAILTANKER	ID:	19910917
UPRIG	HT.	rail-tanl	ker	IY:	1991
RA:	1	NP:	Killed: 1; Injured: 5; Evacuated: 0.04 x 10E3	KR:	1
ID:	19911205	GC:	IMPACT impact-failure	IR:	5
IY:	1991	SC:	VEHICLE other-vehicle	ER:	40
		KW:	PHOTO Hard copy contains photograph(s)		
		AB:	HEAD ON COLLISION BETWEEN 95		
88)	AN: 5140	AND 3	5 CAR FREIGHT TRAINS. FIRE FROM	90)	AN: 5098
ME:	N	SPILT	SULPHUR AND DIESEL FUEL CAUSING	ME:	В; Ү
CR:	SRD	LARGI	E BLACK SMOKE CLOUD. ENGINEER	CR:	SRD
DA:	25/09/1991		D, 5 CREW INJURED AND 40	DA:	22/07/1991
LO:	USA; VERMONT; ALBURG	EVACU	JATED.	LO:	USA; VANCOUVER
MN:	DIESEL FUEL	RA:	3	MN:	DIESEL FUEL
MH:	FI fire	ID:	19910917	MH:	FI fire
MC:	1223	IY:	1991	MC:	1223
IT:	FIRE fire-	KR:	1	OG:	TRANSPORT transport-; BARGE
OG:	TRANSPORT transport-;	IR:	5	GC:	EXTERNAL external-events
ROAD'	ГANKER road-tanker	ER:	40	AB:	FREAK MARINE ACCIDENT WHEN
NP:	Killed: 1; Injured:; Evacuated:				SURE BOAT SAILING PAST COAST
GC:	IMPACT impact-failure			GUAR	D BASE CAUGHT FIRE. BLAZING BOAT
SC:	VEHICLE other-vehicle	89b)	AN: 5130	DRIFT	ED UNDER DOCK & SET FIRE TO
AB:	AUTOMOBILE DRIVER BURNED	ME:	A-; Y	WOOI	DEN PILINGS SOAKED IN CREOSOTE.
TOO B	ADLY TO BE IDENTIFIED	CR:	SRD	FLAMI	ES CAME CLOSE TO REFUELLING
IMMEI	DIATELY AFTER COLLIDING WITH A	DA:	17/09/1991	BARG	E LOADED WITH PETROL & DIESEL
TANK	TRUCK CONTAINING DIESEL FUEL.	LO:	USA; INDIANA; KNOX		ATER USED ON IT.
	INES OF THE TRUCK'S FOUR	MN:	SULPHUR	RA:	1
COMP	ARTMENTS CAUGHT FIRE.	MH:	FI fire	ID:	19910722
RA:	1	MC:	1350	IY:	1991





		caused by the incident; AFTER After effects such as	RA:	1
		clear up, survival of injured, etc.; COMPANY Firm or	ID:	19900131
91)	AN: 5016	company involved	IY:	1990
ME:	N	AB: DIESEL FUEL/PETROL DISCOVERED	QR:	1
CR:	SRD	ON TOP OF WATER TABLE WHEN		
DA:	22/07/1991	EXCAVATING FOR NEW TANKS AT		
LO:	UK; WOLVISTON	MOTORWAY PETROL STATION. STOCK	94)	AN: 4453
MN:	CHEMICAL	CHECKS SHOWED SUCTION PIPEWORK MAY	MÉ:	N
MC:	9999	HAVE BEEN LEAKING FOR 18months.	CR:	SRD
IT:	RELEASE release-	DETAILS GIVEN OF SITE CLEARANCE AND	DA:	18/06/1990
OG:	TRANSPORT transport-; PACKAGE	DECONTAMINATION.	LO:	USA; MINNESOTA; EDEN PRAIRIE
	-transport-containers	RA: 1	MN:	DIESEL FUEL
GC:	IMPACT impact-failure	ID: 19910300	MH:	FI fire
SC:	ROADACC road-accident,-no-other-vehicle	IY: 1991	MC:	1267
AB:	CAR AND VAN COLLIDED CAUSING	KR: 0	IT:	CONTREL continuous-release
CHEMI	ICAL DRUM TO BE PUNCTURED. VAN	IR: 0	OG:	TRANSPORT transport-; PIPELINE
ALSO T	THEN DEVELOPED LEAKAGE OF		GC:	MECHANICAL mechanical-failure
DIESE	L FUEL. CONTENTS OF DRUM		SC:	RELIEFVALV relief-valve-failure
SWILLI	ED AWAY.	93) AN: 4468	QY:	198.70
RA:	1	ME: N	IŠ:	NONIGNITE non-ignition-of-flammable-
ID:	19910722	CR: SRD	material	ls
IY:	1991	DA: 31/01/1990	KW:	COMPANY Firm or company involved
		LO: PUERTO RICO; SAN JUAN	AB:	LINE SPILLED >75000gall DIESEL
		MN: DIESEL FUEL	FUEL'	I'O RIVER. FUEL SPREAD 8miles
92)	AN: 4986	MH: FI fire	DOWN	ISTREAM & BOAT TRAFFIC HALTED
ME:	N	MC: 1223	WHILE	E IT WAS CONTAINED. FAILURE OF
CR:	SRD	IT: CONTREL continuous-release	CHECH	X VALVE & CONNECTED HIGH
DA:	03/1991	OG: TRANSPORT transport-;	PRESSI	URE TUBING BLAMED FOR INCIDENT.
PD:	R rural	ROADTANKER road-tanker	RA:	1
LO:	UK; CUMBRIA; BURTON	GC: IMPACT impact-failure	ID:	19900618
MN:	PETROL	SC: VEHICLE other-vehicle	IY:	1990
MH:	FI fire	QY: 1.70	QR:	198
MC:	1270	IS: NONIGNITE non-ignition-of-flammable-		
IT:	CONTREL continuous-release	materials		
OG:	STORAGE storage-; PIPEWORK	KW: TIMING Timing of the incident, time of	95)	AN: 4447
NP:	Killed: 0; Injured: 0; Evacuated:	day, shift, handover, lunch break, etc.; PHOTO Hard	ME:	N
GC:	HUMAN human-factor	copy contains photograph(s)	CR:	SRD
SC:	INSTALL installation-error	AB: TANKER CARRYING 10,000galls	DA:	27/06/1990
IS:	NONIGNITE non-ignition-of-flammable-	DIESEL FUEL TIPPED OVER SPILLING	LO:	USA; ALASKA; BRISTOL BAY
material		ABOUT 500gall. TANK WAS FIRST DRAINED	MN:	DIESEL FUEL OIL
KW:	DETECT Describes how the incident was	AND THEN RIGHTED USING INFLATABLE	MH:	FI fire
detected	l; NUISANCE Nuisance (non-hazardous)	AIR CUSHIONS.	MC:	1223





Pag. 56 di 66

IT: CONTREL continuous-release	CR: SRD	AB: FREIGHT TRAIN DERAILED ON A
GC: IMPACT impact-failure	DA: 07/05/1990	SECTION OF RAIL THAT HAD COLLAPSED
SC: SHIP/SHIP ship-to-ship-collision,-also-	LO: JAMAICA; MONTEGO BAY	DUE TO SPRING THAW. 20000 LITRES OF
barges	MN: GASOLINE	DIESEL FUEL LEAKED INTO CREEK
QY: 110.00	MH: FI fire	CONTAMINATING SOME WATER SUPPLIES.
IS: NONIGNITE non-ignition-of-flammable-	MC: 1270	OPERATORS ALGOMA CENTRAL RAILWAY.
materials	IT: EXPLODE explosion-; FIRE fire-	RA: 1
AB: TRAWLER SANK AFTER COLLISION	OG: TRANSFER loading, unloading	ID: 19900424
WITH OTHER VESSEL. 55 CREW RESCUED.	NP: Killed: 5; Injured:; Evacuated:	IY: 1990
110te DIESE FUEL SPILLED FROM 25cm LONG	AB: 5 PEOPLE KILLED ON A PILOT	
GOUGE BELOW WATERLINE AMID SHIPS.	BOAT WHEN A TANKER EXPLODED AND	
RA: 1	CAUGHT FIRE. FIRE STATRTED IN THE	99) AN: 4037
ID: 19900627	CREW'S QUARTERS AS THE TANKER WAS	MÉ: N
IY: 1990	ABOUT TO DISCHARGE ITS CARGO OF approx	CR: ICHEME
QR: 110	14000te OF GASOLINE, KEROSENE AND	DA: 12/06/1990
•	DIESEL FUEL. TANKER SUBSEQUENTLY	LO: USA; MINNESOTA; SAVAGE
	TOWED TO SEA.	MN: DIESEL FUEL
96) AN: 4388	RA: 1	MH: FI fire
ME: N	ID: 19900507	MC: 1223
CR: WORKSAFE	IY: 1990	IT: CONTREL continuous-release
DA: 01/12/1989	KR: 5	OG: TRANSPORT transport-; PIPELINE
LO: AUSTRALIA; LITHGOW		QY: 198.00
MN: DIESEL FUEL		IS: NONIGNITE non-ignition-of-flammable-
MH: FI fire	98) AN: 4043	materials
MC: 1223	ME: N	KW: COMPANY Firm or company involved
IT: CONTREL continuous-release	CR: SRD	AB: MORE THAN 75000GAL OF DIESEL
OG: TRANSPORT transport-;	DA: 24/04/1990	FUEL LEAKED FROM A PIPELINE INTO A
ROADTANKER road-tanker	PD: R rural	RIVER & SPREAD DOWN STREAM FOR
IS: NONIGNITE non-ignition-of-flammable-	LO: CANADA; ONTARIO; SAULT STE	ABOUT 8MILES. CONTAINMENT DEVICES
materials	MARIE	WERE SET UP. RIVER TRAFFIC TO BE
KW: TIMING Timing of the incident, time of	MN: DIESEL FUEL	HALTED UNTIL SPILL CLEANED UP.
day, shift, handover, lunch break, etc.	MH: FI fire	RA: 1
AB: TANKER RUPTURED SPILLING	MC: 1223	ID: 19900612
LARGE QUANTIY FUEL ON ROAD.	IT: RELEASE release-	IY: 1990
FIREBRIGADE COVERED ROAD IN SAND.	OG: TRANSPORT transport-; RAILTANKER	QR: 198
RA: 1	rail-tanker	
ID: 19891201	GC: IMPACT impact-failure	
IY: 1989	SC: RAILACC rail-accident,-no-other-vehicle	100) AN: 3822
	IS: NONIGNITE non-ignition-of-flammable-	ME: N
	materials	CR: SRD
97) AN: 4264	KW: COMPANY Firm or company involved	DA: 05/12/1988
ME: N		LO: SWEDEN; KOPING





MN: SODIUM CHLORATE	MC: 1223	OG: TRANSPORT transport-; RAILTANKER
MH: EX explosive	IT: CONTREL continuous-release	rail-tanker
MC: 1495	OG: TRANSPORT transport-; SHIP	NP: Killed:; Injured:; Evacuated: 0.2 x 10E3
IT: EXPLODE explosion-	NP: Killed: 0; Injured: 0; Evacuated:	GC: IMPACT impact-failure
OG: TRANSPORT transport-;	GC: IMPACT impact-failure	SC: RAILACC rail-accident,-no-other-vehicle
ROADTANKER road-tanker	SC: SHIP/LAND ship-to-land-collision,-also-	IS: NONIGNITE non-ignition-of-flammable-
NP: Killed: 1; Injured:; Evacuated:	barges	materials
GC: IMPACT impact-failure; EXTERNAL	QY: 700.00	AB: ABOUT 25000 USgall OF ANTIFREEZE
external-events	IS: NONIGNITE non-ignition-of-flammable-	& 5000 USgall OF DIESEL FUEL ESCAPED INTO
SC: ROADACC road-accident,-no-other-	materials	CHUNKY RIVER WHEN 12 CARS OF
vehicle; EXTNLFIRE fire; VEHICLE other-vehicle	KW: ENVIRMNT Environmental impact of the	MIDSOUTH TRAIN DERAILED. 200 PEOPLE
QY: 2.50	incident (natural environment); MAP Hard copy	EVACUATED.
IS: HOTSURFACE hot-surface;	contains map; RESPONSE Emergency response to	RA: 1
VEXHAUSTS vehicle-exhausts	the incident; MATPROPS Properties of the	ID: 19890512
KW: WEATHER Weather conditions at the time	material(s) involved in the incident	IY: 1989
of, or during, the incident; ENQUIRY Investigations,	AB: 133m BAHIA PARAISO RAN	ER: 200
public enquiries, etc., into the incident; MISSILES	AGROUND & SANK OFF ANVERS ISLAND.	ERC 200
Size and type of missiles produced and/or the	SOME OF ITS 700te OF DIESEL FUEL	
distances which they travelled; MATPROPS	ESCAPED. ALSO THERE WERE BARRELS OF	102b) AN: 3720
Properties of the material(s) involved in the incident;	DIESEL & JET FUEL & CYLINDERS OF	ME: A-; Y
PHOTO Hard copy contains photograph(s)	PROPANE IN ITS CARGO. 10mile OIL SLICK	CR: SRD
AB: ROAD CRASH IN ICY WEATHER LED	AFFECTING PENGUINS, SKUAS & KRILL.	DA: 12/05/1989
TO SPILLAGE OF SODIUM CHLORATE &	ALL ON BOARD RESCUED	PD: U urban
DIESEL FUEL. LEAKING FUEL IGNITED &	RA: 10	LO: USA; MISSISSIPPI; MERIDIAN
WITHIN MINUTES POWERFUL EXPLOSION	ID: 19890128	MN: ETHYLENE GLYCOL
OCCURRED. MISSILES THROWN 200m	IY: 1989	MH: FI fire
RA: 3	KR: 0	MC: 9999
ID: 19881205	IR: 0	IT: RELEASE release-
ID: 19881203 IY: 1988	QR: 700	OG: TRANSPORT transport-; RAILTANKER
KR: 1	QR. 700	rail-tanker
		NP: Killed:; Injured:; Evacuated: 0.2 x 10E3
QR: 2	102a) AN: 3720	GC: IMPACT impact-failure
	,	1
101) AN: 3767	ME: B; Y CR: SRD	· · · · · · · · · · · · · · · · · · ·
,		8
ME: N	DA: 12/05/1989	materials
CR: SRD DA: 28/01/1989	PD: U urban	AB: ABOUT 25000 USgall OF ANTIFREEZE
, ,	LO: USA; MISSISSIPPI; MERIDIAN	& 5000 USgall OF DIESEL FUEL ESCAPED INTO
PD: R rural	MN: DIESEL FUEL	CHUNKY RIVER WHEN 12 CARS OF
LO: ANTARCTICA; ANTARCTIC	MH: FI fire	MIDSOUTH TRAIN DERAILED. 200 PEOPLE
PENINSULA; OFF ANVERS ISLAND	MC: 1293	EVACUATED.
MN: DIESEL FUEL	IT: RELEASE release-	RA: 1
MH: FI fire		ID: 19890512

Edizione Ottobre 2006 Pag. 57 di 66





IY: 1989	MH:	FI fire	IS:	NONIGNITE non-ignition-of-flammable-
ER: 200	MC:	1223	material	
	IT:	TANKFIRE tank-fire	KW:	NUISANCE Nuisance (non-hazardous)
	OG:	STORAGE storage-; ASVESSEL storage-	caused b	by the incident; AFTER After effects such as
103) AN: 3685	vessels	-atmospheric-pressure		, survival of injured, etc.
ME: N	NP:	Killed: 0; Injured: 1; Evacuated:	AB:	TANKER TRUNK OVERTURNED &
CR: SRD	GC:	HUMAN human-factor	RUPTU	URED SPILLING 7641 USgall DIESEL
DA: 20/04/1987	SC:	MAINTAIN general-maintenance		MOTORWAY CLOSED UNTIL
LO: USA; ARKANSAS; MANS		FLAME naked-flames; FLARE flares		NING OPERATIONS COMPLETED.
MN: DIESEL FUEL	KW:	PHOTO Hard copy contains photograph(s)		FUEL LEAKED INTO DRAINAGE
MH: FI fire	AB:	A WELDER WAS BADLY BURNED		& FROM THERE INTO RIVER.
MC: 1223		E WORKING ON TANK OF DIESEL.	RA:	1
IT: EXPLODE explosion-; FI		EXPLODED. EMERGENCY TEAMS	ID:	19890212
OG: TRANSPORT transport-;		ONDED QUICKLY. OXYGEN &	IY:	1989
ROADTANKER road-tanker		YLENE BOTTLES ALSO EXPLODED.	KR:	0
NP: Killed: 3; Injured: >4; Evac		E CONTROLLED WITHIN 40mins OF	IR:	0
GC: IMPACT impact-failure		BLAZE THREATENED NEARBY TANKS.	QR:	22
SC: VEHICLE other-vehicle	RA:	2	V	
KW: RESPONSE Emergency re	esponse to the ID:	19881025	106)	AN: 3591
incident	IY:	1988	ME:	N
AB: TRACTOR TRAILER LO	ADED WITH KR:	0	CR:	SRD
DIESEL FUEL & GASOLINE COI	LLIDED WITH IR:	1	DA:	21/02/1989
4 CARS BEFORE EXPLODING. E			PD:	U urban
SERVICES WERE INCAPABLE O	F SUPPLYING		LO:	USA; NEW YORK; KIANTONE
ADEQUATE FOAM. MILITARY F	FOAM 105)	AN: 3610	MN:	DIESEL FUEL
VEHICLES CONTROLLED FIRE.	A WOMAN & MÉ:	N	MH:	FI fire
2 CHILDREN WERE CRUSHED I	NSIDE A CAR CR:	SRD	MC:	1223
UNDER TANKER.	DA:	12/02/1989	IT:	RELEASE release-; POOL pool-of-liquid-
RA: 1	PD:	U urban	formed	
ID: 19870420	LO:	USA; NEW JERSEY; RIDGEFIELD	OG:	TRANSPORT transport-;
IY: 1987	MN:	DIESEL FUEL	ROAD'	TANKER road-tanker
KR: 3	MH:	FI fire	NP:	Killed: 0; Injured: 0; Evacuated:
IR: 5	MC:	1223	GC:	IMPACT impact-failure
	IT:	RELEASE release-; POOL pool-of-liquid-	SC:	ROADACC road-accident,-no-other-vehicle
	formed		QY:	11.00
104) AN: 3650	OG:	TRANSPORT transport-;	IS:	NONIGNITE non-ignition-of-flammable-
ME: N	ROAD	TANKER road-tanker	material	s
CR: WORKSAFE	NP:	Killed: 0; Injured: 0; Evacuated:	KW:	RESPONSE Emergency response to the
DA: 25/10/1988	GC:	IMPACT impact-failure	incident	
LO: AUSTRALIA; NORTHER		ROADACC road-accident,-no-other-vehicle	AB:	TANKER TRUCK LOST CONTROL,
TERRITORY; CAMDEN	QY:	22.00	WENT	OFF ROAD, STRUCK UTILITY POLE &
MN: DIESEL FUEL			OVERT	TURNED SPILLING 4000gall





DIESEL/PETROL LOAD. RESPONSE TEAM	MH: FI fire	RA: 1
CONTAINED SPILL BY DYKING MARSHY	MC: 1267	ID: 19870712
AREA.	IT: CONTREL continuous-release; POOL	IY: 1987
RA: 1	pool-of-liquid-formed	KR: 0
ID: 19890221	OG: TRANSPORT transport-; RAILTANKER	IR: 0
IY: 1989	rail-tanker	QR: 187
KR: 0	NP: Killed: 0; Injured: 0; Evacuated:	
IR: 0	GC: IMPACT impact-failure	
QR: 11	SC: RAILACC rail-accident,-no-other-vehicle	109) AN: 3512
	IS: NONIGNITE non-ignition-of-flammable-	ME: N
	materials	CR: SRD
107) AN: 3590	AB: 33 TANK CARS DERAILED SPILLING	DA: 09/07/1982
MÉ: N	ESTIMATED 55000galls DIESEL FUEL & CRUDE	LO: USA; ARKANSAS; MAMMOTH SPRNGS
CR: SRD	OIL.	MN: DIESEL FUEL
DA: 14/10/1980	RA: 1	MH: FI fire
PD: U urban	ID: 19870712	MC: 1223
LO: USA; KANSAS; OLPE	IY: 1987	IT: CONTREL continuous-release; POOL
MN: DIESEL FUEL	KR: 0	pool-of-liquid-formed
MH: FI fire	IR: 0	OG: TRANSPORT transport-; RAILTANKER
MC: 1223		rail-tanker
IT: EXPLODE explosion-		DG: US\$ >1.00 x 10E6
OG: STORAGE storage-; ASVESSEL storage-	108b) AN: 3533	GC: IMPACT impact-failure
vessels,-atmospheric-pressure	ME: A-; Y	SC: RAILACC rail-accident,-no-other-vehicle
NP: Killed: 0; Injured: 0; Evacuated: 0.53 x 10E3	CR: SRD	QY: 15.00
QY: 5.00	DA: 12/07/1987	IS: NONIGNITE non-ignition-of-flammable-
AB: TANK CONTAINING 1500gall DIESEL	LO: USA; CALIFORNIA; LANCASTER	materials
FUEL EXPLODED CAUSING EVACUATION	MN: DIESEL FUEL	KW: ENVIRMNT Environmental impact of the
OF TOWN. NO INJURIES REPORTED.	MH: FI fire	incident (natural environment)
RA: 1	MC: 1223	AB: 4 LOCOMOTIVES & 2 CARS OF
ID: 19801014	IT: CONTREL continuous-release; POOL	FREIGHT TRAIN DERAILED 1mile SOUTH OF
IY: 1980	pool-of-liquid-formed	TOWN ALLOWING AN ESTIMATED 5000galls
KR: 0	OG: TRANSPORT transport-; RAILTANKER	DIESEL FUEL TO ENTER NEARBY RIVER.
IR: 0	rail-tanker	MANY FISH DIED AT FISH HATCHERY 400m
ER: 530	NP: Killed: 0; Injured: 0; Evacuated:	DOWNRIVER FROM DERAILMENT SITE
QR: 5	GC: IMPACT impact-failure	INCURRING DAMAGE AS HIGH AS 1million
	SC: RAILACC rail-accident,-no-other-vehicle	dollars.
108a) AN: 3533	QY: 187.00	RA: 1
ME: B; Y	IS: NONIGNITE non-ignition-of-flammable-	ID: 19820709
CR: SRD	materials	IY: 1982
DA: 12/07/1987	AB: 33 TANK CARS DERAILED SPILLING	DR: 1000001
LO: USA; CALIFORNIA; LANCASTER	ESTIMATED 55000galls DIESEL FUEL & CRUDE	QR: 15
MN: CRUDE OIL	OIL.	•





110)	AN: 3077	PD:	U urban	OG:	STORAGE storage-; ASVESSEL storage-
ME:	N 50//	LO:	USA; MARYLAND; BALTIMORE		,-atmospheric-pressure
CR:	SRD	MN:	DIESEL	NP:	Killed: 0; Injured: 0; Evacuated:
DA:	10/05/1988	MH:	FI fire	GC:	EXTERNAL external-events
PD:	R rural	MC:	1223	SC:	FLOODS flooding
LO:	CANADA; QUEBEC; LINTON	IT:	RELEASE release-; FIRE fire-	QY:	26.00
MN:	DIESEL FUEL	OG:	TRANSPORT transport-;	IS:	NONIGNITE non-ignition-of-flammable-
MH:	FI fire		TANKER road-tanker	materia	
MC:	1223	NP:	Killed: 0; Injured: 1; Evacuated:	KW:	AFTER After effects such as clear up,
IT:	RELEASE release-	GC:	IMPACT impact-failure		l of injured, etc.
NP:	Killed: 0; Injured: 0; Evacuated:	SC:	ROADACC road-accident,-no-other-vehicle	AB:	3*30000gall TANKS (2 GASOLINE & 1
DG:	US\$ 1.00 x 10E6	QY:	22.00		EL FUEL) FLOATED, BROKE THEIR
GC:	IMPACT impact-failure; EXTERNAL	IS:	AUTOIGNITE autoignition		G & ROLLED OVER DURING HEAVY
external-		KW:	AFTER After effects such as clear up,		DING AT TRUCKSTOP. 10000gall
SC:	RAILACC rail-accident,-no-other-vehicle;		of injured, etc.; NUISANCE Nuisance (non-		ED. AFTER FLOOD RECEDED
GROUN	ND subsidence,-soil-stress,-erosion-of-support		ous) caused by the incident; INJURIES Types		TGHTERS USED FOAM TO SEAL
QY:	26.00		auses of or degree of injuries; PHOTO Hard		INING VAPOURS & VACUUM TRUCKS
IS:	NONIGNITE non-ignition-of-flammable-		ntains photograph(s); TIMING Timing of the		CK-UP RESIDUE.
materials	0		t, time of day, shift, handover, lunch break, etc.	RA:	1
KW:	ENVIRMNT Environmental impact of the	AB:	ROAD TANKER CONTAINING	ID:	19811013
incident	(natural environment); RESPONSE	DIESE	L FUEL OVERTURNED & CAUGHT	IY:	1981
	ncy response to the incident	FIRE A	FTER LOAD SHIFTED. DRIVER	KR:	0
AB:	4 LOCOMOTIVES & 4 RAILCARS	RECEI	VED MINOR INJURIES ONLY. NO ONE	IR:	0
DERAI	LED WHEN RAILWAY BED GAVE WAY		NVOLVED.	QR:	26
FOLLO	WING BEAVER DAM RUPTURE. THE	RA:	1		
	ARS RUPTURED & DIESEL FUEL	ID:	19880426		
SPILLE	D INTO THE RIVER BATISCAN. A	IY:	1988	112b)	AN: 2920
BOOM	WAS PLACED ACROSS THE RIVER TO	KR:	0	ME:	A-; Y
PREVE	NT THE SPREAD OF THE FUEL.	IR:	1	CR:	SRD
RA:	1	QR:	22	DA:	13/10/1981
ID:	19880510	`		LO:	USA; TEXAS; JUSTIN
IY:	1988			MN:	GASOLINE
KR:	0	112a)	AN: 2920	MH:	FI fire
IR:	0	ME:	В; Ү	MC:	1270
DR:	1000000	CR:	SRD	IT:	CONTREL continuous-release; POOL
QR:	26	DA:	13/10/1981	pool-of	f-liquid-formed
`		LO:	USA; TEXAS; JUSTIN	OG:	STORAGE storage-; ASVESSEL storage-
		MN:	DIESEL FUEL	vessels.	,-atmospheric-pressure
111)	AN: 2984	MH:	FI fire	NP:	Killed: 0; Injured: 0; Evacuated:
MÉ:	N	MC:	1223	GC:	EXTERNAL external-events
CR:	ICHEME	IT:	CONTREL continuous-release; POOL	SC:	FLOODS flooding
DA:	26/04/1988	pool-of	-liquid-formed	QY:	26.00
	• •	1	1	`	



to the incident

FOX Petroli S.p.A. – Deposito Costiero di Pesaro Rapporto di Sicurezza Appendice B – Analisi storica



IS: NONIGNITE non-ignition-of-flammable-materials KW: AFTER After effects such as clear up, survival of injured, etc.	AB: A MULTI-TANKER FELL INTO A DITCH WHILST NEGOTIATING A NARROW LANE SPILLING DIESEL FUEL INTO A DITCH. THE FIRE BRIGADE CONTAINED THE	BLOCKS OF THE CITY WERE EVACUATED AND FIREBOATS FROM UP TO 30 miles AWAY ASSISTED. RA: 1
AB: 3*30000gall TANKS (2 GASOLINE & 1	SPILLAGE PREVENTING POLLUTION. THE	ID: 19800814
DIESEL FUEL)FLOATED, BROKE THEIR	ROAD WAS BLOCKED FOR 4hrs DURING THE	IY: 1980
PIPING & ROLLED OVER DURING HEAVY	CLEAN-UP AND RECOVERY OPERATION.	ER: 101
FLOODING AT TRUCKSTOP. 10000gall	RA: 1	DR: 1000000
SPILLED. AFTER FLOOD RECEDED,	ID: 19870303	DR. 1000000
FIREFIGHTERS USED FOAM TO SEAL	IY: 1987	
REMAINING VAPOURS & VACUUM TRUCKS	KR: 0	115a) AN: 2016
TO PICK-UP RESIDUE.	IR: 1	ME: E; Y
RA: 1	QR: 1	CR: SRD
ID: 19811013	Qic. 1	DA: 09/07/1986
IY: 1981		PD: U urban
KR: 0		LO: USA; NEW JERSEY; BAYONNE
IR: 0	114) AN: 2098	MN: ACETONE
OR: 26	ME: N	MH: FI fire
20	CR: SRD	MC: 1090
	DA: 14/08/1980	IT: FIRE fire-
113) AN: 2668	PD: U urban	OG: STORAGE storage-; ASVESSEL storage-
ME: N	LO: USA; LOUISIANA; MORGAN CITY	vessels,-atmospheric-pressure
CR: SRD	MN: DIESEL FUEL	NP: Killed: 0; Injured: 10; Evacuated:
DA: 03/03/1987	MH: FI fire	GC: EXTERNAL external-events
PD: R rural	MC: 1223	SC: EXTNLFIRE fire
LO: UK; WILTSHIRE; ASHTON KEYNES	IT: RELEASE release-; FIRE fire-	KW: COMPANY Firm or company involved;
MN: DIESEL FUEL	OG: TRANSFER loading, unloading;	DURATION Duration of the incident; EXTENT
MH: FI fire	ASVESSEL storage-vessels,-atmospheric-pressure	Extent of the damage caused; RESPONSE
MC: 1223	NP: Killed:; Injured:; Evacuated: >0.1 x	Emergency response to the incident; TIMING Timing
IT: RELEASE release-	10E3	0 , 1
OG: TRANSPORT transport-;	DG: US\$ 1.00 x 10E6	of the incident, time of day, shift, handover, lunch break, etc.
ROADTANKER road-tanker	GC: HUMAN human-factor	
NP: Killed: 0; Injured: 1; Evacuated:	SC: OVERFILL overfilling	AB: PETROL STORAGE TANK CAUGHT FIRE AT TERMINAL & FIRE SPREAD TO 3
GC: IMPACT impact-failure	IS: HOTSURFACE hot-surface;	OTHER TANKS STORING DIESEL FUEL &
1	VEXHAUSTS vehicle-exhausts	
SC: ROADACC road-accident,-no-other-vehicle QY: 1.00	KW: AREA Size of the area affected;	ACETONE. MARINE TRAFFIC WAS SUSPENDED FOR SEVERAL HOURS AND THE
IS: NONIGNITE non-ignition-of-flammable-	,	FIRE BURNED FOR 12 HOURS DESTROYING
	COMPANY Firm or company involved AB: A ROADTANKER WAS	
materials KW: AFTER After effects such as clear up.		THE FOUR TANKS AND BLISTERING THE
Τ,	DISCHARGING DIESEL FUEL INTO TANK	PAINT ON OTHERS.
survival of injured, etc.; COMPANY Firm or	WHICH OVERFLOWED. THE SPILT FUEL WAS	RA: 1
company involved; RESPONSE Emergency response	IGNITED BY THE TRUCKS ENGINE SETTING	ID: 19860709

Edizione Ottobre 2006 Pag. 61 di 66

OFF A SERIES OF EXPLOSIONS AND FIRES. 8

IY:

1986





KR:	0	DA: 09/07/1986	IT: FIRE fire-
IR:	10	PD: U urban	OG: STORAGE storage-; ASVESSEL storage-
110		LO: USA; NEW JERSEY; BAYONNE	vessels,-atmospheric-pressure
		MN: ACETONE	NP: Killed:; Injured: 10; Evacuated:
115b)	AN: 2016	MH: FI fire	GC: EXTERNAL external-events
ME:	D; Y	MC: 1090	SC: EXTNLFIRE fire
CR:	SRD	IT: FIRE fire-	KW: COMPANY Firm or company involved;
DA:	09/07/1986	OG: STORAGE storage-; ASVESSEL storage-	DURATION Duration of the incident; EXTENT
PD:	U urban	vessels,-atmospheric-pressure	Extent of the damage caused; RESPONSE
LO:	USA; NEW JERSEY; BAYONNE	NP: Killed: 0; Injured: 10; Evacuated:	Emergency response to the incident; TIMING Timing
MN:	DIESEL FUEL	GC: EXTERNAL external-events	of the incident, time of day, shift, handover, lunch
MH:	FI fire	SC: EXTNLFIRE fire	break, etc.
MC:	1223	KW: COMPANY Firm or company involved;	AB: PETROL STORAGE TANK CAUGHT
IT:	FIRE fire-	DURATION Duration of the incident; EXTENT	FIRE AT TERMINAL & FIRE SPREAD TO 3
OG:		Extent of the damage caused; RESPONSE	OTHER TANKS STORING DIESEL FUEL &
	STORAGE storage-; ASVESSEL storage-		
	atmospheric-pressure	Emergency response to the incident; TIMING Timing	ACETONE. MARINE TRAFFIC WAS
NP: GC:	Killed:; Injured: 10; Evacuated: EXTERNAL external-events	of the incident, time of day, shift, handover, lunch	SUSPENDED FOR SEVERAL HOURS AND THE FIRE BURNED FOR 12 HOURS DESTROYING
		break, etc.	
SC: KW:	EXTNLFIRE fire	AB: PETROL STORAGE TANK CAUGHT	THE FOUR TANKS AND BLISTERING THE
	COMPANY Firm or company involved;	FIRE AT TERMINAL & FIRE SPREAD TO 3	PAINT ON OTHERS.
	TION Duration of the incident; EXTENT	OTHER TANKS STORING DIESEL FUEL &	RA: 1
	of the damage caused; RESPONSE	ACETONE. MARINE TRAFFIC WAS	ID: 19860709
	ncy response to the incident; TIMING Timing	SUSPENDED FOR SEVERAL HOURS AND THE	IY: 1986
	icident, time of day, shift, handover, lunch	FIRE BURNED FOR 12 HOURS DESTROYING	IR: 10
break, et		THE FOUR TANKS AND BLISTERING THE	
AB:	PETROL STORAGE TANK CAUGHT	PAINT ON OTHERS.	447)
	T TERMINAL & FIRE SPREAD TO 3	RA: 1	115e) AN: 2016
	R TANKS STORING DIESEL FUEL &	ID: 19860709	ME: A-; Y
	ONE. MARINE TRAFFIC WAS	IY: 1986	CR: SRD
	NDED FOR SEVERAL HOURS AND THE	KR: 0	DA: 09/07/1986
	URNED FOR 12 HOURS DESTROYING	IR: 10	PD: U urban
	OUR TANKS AND BLISTERING THE		LO: USA; NEW JERSEY; BAYONNE
	ON OTHERS.		MN: PETROL
RA:	1	115d) AN: 2016	MH: FI fire
ID:	19860709	ME: B; Y	MC: 1270
IY:	1986	CR: SRD	IT: FIRE fire-
IR:	10	DA: 09/07/1986	OG: STORAGE storage-; ASVESSEL storage-
		PD: U urban	vessels,-atmospheric-pressure
		LO: USA; NEW JERSEY; BAYONNE	NP: Killed:; Injured: 10; Evacuated:
115c)	AN: 2016	MN: DIESEL FUEL	QY: <4500.00
ME:	C; Y	MH: FI fire	KW: COMPANY Firm or company involved;
CR:	SRD	MC: 1223	DURATION Duration of the incident; EXTENT

Edizione Ottobre 2006





Extent of the damage caused; RESPONSE	IR: 0	
Emergency response to the incident; TIMING Timing	QR: 7	
of the incident, time of day, shift, handover, lunch		440)
break, etc.		118) AN: 1563
AB: PETROL STORAGE TANK CAUGHT	117) AN: 1570	ME: N
FIRE AT TERMINAL & FIRE SPREAD TO 3	ME: A-; Y	CR: SRD
OTHER TANKS STORING DIESEL FUEL &	CR: SRD	DA: 10/10/1983
ACETONE. MARINE TRAFFIC WAS	DA: 24/09/1977	PD: U urban
SUSPENDED FOR SEVERAL HOURS AND THE	LO: USA; ILLINOIS; ROMEOVILLE	LO: NICARAGUA; CORINTO
FIRE BURNED FOR 12 HOURS DESTROYING	MN: DIESEL OIL	MN: FUEL OIL
THE FOUR TANKS AND BLISTERING THE	MH: FI fire	MH: FI fire
PAINT ON OTHERS.	MC: 1223	MC: 1223
RA: 1	IT: TANKFIRE tank-fire	IT: FIRE fire-
ID: 19860709	OG: STORAGE storage-; ASVESSEL storage-	OG: STORAGE storage-; ASVESSEL storage-
IY: 1986	vessels,-atmospheric-pressure	vessels,-atmospheric-pressure
IR: 10	NP: Killed: 0; Injured: 0; Evacuated: 0 x 10E3	NP: Killed: 0; Injured: 17; Evacuated: 25 x 10E3
QR: 4499	DG: US\$ >8.40 x 10E6	GC: EXTERNAL external-events
	GC: EXTERNAL external-events	SC: SABOTAGE sabotage-or-vandalism
	SC: LIGHTNING	QY: <6000.00
116) AN: 1988	QY: <32000.00	KW: RESPONSE Emergency response to the
ME: N	IS: ELECTRIC electric-sparks; STATIC static-	incident
CR: SRD	including-lightning	AB: 3.2E*6gall GASOLINE/DIESEL FUEL
DA: 12/1977	KW: COMPANY Firm or company involved;	RELEASED & 25000 PEOPLE EVACUATED
PD: R rural	RESPONSE Emergency response to the incident;	WHEN SANDANISTA REBEL ATTACK
LO: UK; HAMPSHIRE; SOUTHAMPTON	KNOCK-ON Describes any knock-on or domino	STARTED BLAZE THAT ENGULFED OIL
MN: FUEL OIL	type effects caused	DEPOT. 8 FUEL TANKS DESTROYED. HEAVY
MH: FI fire	AB: FIRE BEGAN EARLY MORNING	BLACK SMOKE COVERED CITY.
MC: 1223	WHEN LIGHTNING STRUCK 11 MILLION gall	RA: 1
IT: RELEASE release-	DIESEL FUEL TANK AT UNION OIL CO.	ID: 19831010
OG: TRANSPORT transport-; PIPELINE	REFINERY. FIRE SPREAD TO 2 TANKS	IY: 1983
NP: Killed: 0; Injured: 0; Evacuated:	CONTAINING 16.5 MILLION GALLS	KR: 0
QY: 7.30	GASOLINE. FIRES EXTINGUISHED BY 2400	IR: 17
IS: NONIGNITE non-ignition-of-flammable-	26/09/77.	ER: 25000
materials	RA: 1	QR: 5999
AB: OIL FEEDER PIPELINE IN REFINERY	ID: 19770924	•
BURST DURING TESTING SHOOTING DIESEL	IY: 1977	
FUEL INTO AIR AND THROUGH VILLAGE.	KR: 0	119) AN: 1480
NO IGNITION.	IR: 0	ME: N
RA: 1	ER: 0	CR: ICHEME
ID: 19771200	DR: 8400001	DA: 19/02/1986
IY: 1977	QR: 31999	LO: USA; BALTIMORE; MARLEY NECK
KR: 0		MN: DIESEL FUEL OIL





MH: FI fire	GC: HUMAN human-factor	DIESEL FUEL IN PUMPS. FIRE SPREAD TO
MC: 1223	SC: GENERALOP general-operational	DIESEL FUEL TANK AND EXPLODED
IT: RELEASE release-	IS: FLAME naked-flames; FLARE flares	ACETYLENE/OXYGEN BOTTLES. 5HRS
OG: TRANSPORT transport-;	KW: DURATION Duration of the incident;	LATER WHOLE SHIP ABLAZE DESPITE
ROADTANKER road-tanker	KNOCK-ON Describes any knock-on or domino	HOLDS DECLARED "GASFREE".
NP: Killed: 0; Injured: 0; Evacuated: 0 x 10E3	type effects caused	RA: 1
GC: IMPACT impact-failure	AB: CREWS INSTALLING GENERATORS	ID: 19831107
SC: ROADACC road-accident,-no-other-vehicle	IN ENGINE ROOM OF 70,600dwt. "MARA	IY: 1983
QY: <31.00	HOPE", WHEN WELDING TORCH IGNITED	KR: 0
IS: NONIGNITE non-ignition-of-flammable-	DIESEL FUEL IN PUMPS. FIRE SPREAD TO	IR: 0
materials	DIESEL FUEL TANK AND EXPLODED	ER: 150
KW: AFTER After effects such as clear up,	ACETYLENE/OXYGEN BOTTLES. 5HRS	LR. 150
survival of injured, etc.; RESPONSE Emergency	LATER WHOLE SHIP ABLAZE DESPITE	
response to the incident; COMPANY Firm or	HOLDS DECLARED "GASFREE".	120c) AN: 1468
company involved; TIMING Timing of the incident,	RA: 1	ME: A-; Y
time of day, shift, handover, lunch break, etc.;	ID: 19831107	CR: SRD
PHOTO Hard copy contains photograph(s)	IY: 1983	DA: 07/11/1983
AB: OIL TANKER OVERTURNED AT 1615	KR: 0	LO: USA; TEXAS; PORT NECHAS
WHEN DRIVER LOST CONTROL. APPROX.	IR: 0	MN: DIESEL FUEL
3600 GALL OF 6800 GALL LOAD RECOVERED.	ER: 150	MH: FI fire
POLLUTION OF LOCAL WATER PREVENTED.	130	MC: 1223
COMPANY = HAHN TRANSPORTATION INC.		IT: FIRE fire-; EXPLODE explosion-
RA: 1	120b) AN: 1468	OG: TRANSPORT transport-; SHIP
ID: 19860219	ME: B; Y	NP: Killed: 0; Injured: 0; Evacuated: 0.15 x 10E3
IY: 1986	CR: SRD	GC: HUMAN human-factor
KR: 0	DA: 07/11/1983	SC: GENERALOP general-operational
IR: 0	LO: USA; TEXAS; PORT NECHAS	IS: FLAME naked-flames; FLARE flares
ER: 0	MN: ACETYLENE	KW: DURATION Duration of the incident;
QR: 30	MH: FI fire	KNOCK-ON Describes any knock-on or domino
2-1	MC: 1001	type effects caused
	IT: FIRE fire-; EXPLODE explosion-	AB: CREWS INSTALLING GENERATORS
120a) AN: 1468	OG: TRANSPORT transport-; SHIP	IN ENGINE ROOM OF 70,600dwt. "MARA
ME: C; Y	NP: Killed: 0; Injured: 0; Evacuated: 0.15 x 10E3	HOPE", WHEN WELDING TORCH IGNITED
CR: SRD	GC: HUMAN human-factor	DIESEL FUEL IN PUMPS. FIRE SPREAD TO
DA: 07/11/1983	SC: GENERALOP general-operational	DIESEL FUEL TANK AND EXPLODED
LO: USA; TEXAS; PORT NECHAS	IS: FLAME naked-flames; FLARE flares	ACETYLENE/OXYGEN BOTTLES. 5HRS
MN: OXYGEN	KW: DURATION Duration of the incident;	LATER WHOLE SHIP ABLAZE DESPITE
MH: OX oxidising	KNOCK-ON Describes any knock-on or domino	HOLDS DECLARED "GASFREE".
MC: 1072	type effects caused	RA: 1
IT: FIRE fire-; EXPLODE explosion-	AB: CREWS INSTALLING GENERATORS	ID: 19831107
OG: TRANSPORT transport-; SHIP	IN ENGINE ROOM OF 70,600dwt. "MARA	IY: 1983
NP: Killed: 0; Injured: 0; Evacuated: 0.15 x 10E3	HOPE", WHEN WELDING TORCH IGNITED	KR: 0
, , , ,	*	

Edizione Ottobre 2006 Pag. 64 di 66





IR:	0	LO:	USA; FLORIDA	MC:	1223
ER:	150	MN:	DIESEL FUEL	IT:	FIRE fire-
		MH:	FI fire	KW:	COMPANY Firm or company involved
		MC:	1223	AB:	NO DETAILS. HNG PROPANE
121)	AN: 1289	IT:	FIRE fire-	COMP	ANY PLANT, US 59.
MÉ:	N	OG:	TRANSFER loading,-unloading;	RA:	2
CR:	SRD	ROAD	TANKER road-tanker	ID:	19790703
DA:	26/10/1979	NP:	Killed: 0; Injured: 2; Evacuated: 0 x 10E3	IY:	1979
LO:	UK; SURREY; PUTTENHAM	DG:	US\$ 0.05 x 10E6		
MN:	DIESEL FUEL	GC:	HUMAN human-factor		
MH:	FI fire	SC:	GENERALOP general-operational	124)	AN: 621
MC:	1223	KW:	PRODESC Contains a description of the	ME:	N
IT:	CONTREL continuous-release	process	s as usually undertaken at the site of the	CR:	SRD
OG:	TRANSPORT transport-;		t; RESPONSE Emergency response to the	DA:	12/02/1979
	ΓANKER road-tanker	inciden	t; TIMING Timing of the incident, time of	PD:	U urban
NP:	Killed: 0; Injured: 1; Evacuated:	day sh	ift, handover, lunch break, etc.; PROPERTY	LO:	USA; INDIANA; WHITING
GC:	IMPACT impact-failure		of any buildings affected by the incident	MN:	DIESEL FUEL OIL
SC:	ROADACC road-accident,-no-other-vehicle	AB:	THE PLATFORM OVERHEAD	MH:	FI fire
QY:	10.00		INSER OF A FUELLING STATION WAS	MC:	1223
IS:	NONIGNITE non-ignition-of-flammable-		ERABLE SO A DRIVER FILLED HIS FUEL	IT:	EXPLODE explosion-; TANKFIRE tank-
material			VERY TRUCK USING A SUCTION	fire	EXTENDED EXPLOSION, THE TAIL THE TAIL
KW:	RESPONSE Emergency response to the		OD FROM AN UNDERGROUND STORE.	OG:	STORAGE storage-; ASVESSEL storage-
	; INJURIES Types of, or causes of or degree		OCCURRED EITHER BY SPARK OR BY		-atmospheric-pressure
of injuri			EXHAUST. FIRE OUT 10 MINS AFTER	NP:	Killed: 0; Injured: 0; Evacuated: 1.5 x 10E3
AB:	CAR/TANKER COLLISION. CAR		ADE ARRIVED.	KW:	COMPANY Firm or company involved;
	R TRAPPED WHILE DIESEL LEAKED.	RA:	1		RESN How the incident progressed or
	ER LIFTED CLEAR USING AN MFC AIR	ID:	19840100		bed with time; AREA Size of the area affected
		ID. IY:	1984	AB:	AMOCO REFINERY. EXPLOSIONS IN
	USHION (QUICK + FRICTION-FREE ARED TO TRADITIONAL METHODS).	KR:	0		REY GASOLINE PROCESS UNIT THEN
		IR:	2		SPREAD THROUGH PIPES TO 2 OUT OF
RA:	R FREED, MINOR INJURIES.		0		
	1	ER: DR:			RAGE TANKS (DIESEL?). 10 SQUARE
ID:	19791026	DK:	50000		KS EVACUATED (400,1000,1500?)FIRE
IY: KR:	1979				'AINED IN 5 HOURS, DURATION
	0	4.00)	ANI 770		CTED)2 DAYS.
IR:	1	123)	AN: 770	RA:	2
QR:	10	ME:	B; Y	ID:	19790212
		CR:	SRD	IY:	1979
	137	DA:	03/07/1979	KR:	0
122)	AN: 811	PD:	U urban	IR:	0
ME:	N	LO:	USA; TEXAS; HOUSTON	ER:	1500
CR:	SRD	MN:	DIESEL FUEL		
DA:	01/1984	MH:	FI fire		

Edizione Ottobre 2006 Pag. 65 di 66



MC:

IT:

1223

FIRE fire-

FOX Petroli S.p.A. – Deposito Costiero di Pesaro Rapporto di Sicurezza Appendice B – Analisi storica



125a)	AN: 573	OG:	TRANSPORT transport-; RAILTANKER
ME:	В; Ү	rail-tank	
CR:	SRD	NP:	Killed: 1; Injured:; Evacuated: 0.5 x 10E3
DA:	10/04/1979	GC:	IMPACT impact-failure
PD:	U urban	SC:	RAILACC rail-accident,-no-other-vehicle
LO:	USA; KANSAS; COLUMBUS	KW:	COMPANY Firm or company involved;
MN:	AMMONIUM NITRATE	AREA S	Size of the area affected
MH:	EX explosive; OX oxidising	AB:	MISSOURI-KANSAS-TEXAS RAILWAY
MC:	2072		REAR OF ST. LOUIS-SAN FRANSIS CO
IT:	FIRE fire-		AY TRAIN. 2 TANK CARS OF DIESEL
OG:	TRANSPORT transport-; RAILTANKER		ON FIRE. EVACUATION OF ALL IN 2
rail-tank			ADIUS WHEN FIRE THREATENED
NP:	Killed: 1; Injured:; Evacuated: 0.5 x 10E3		F POWDERED AMMONIUM NITRATE.
GC:	IMPACT impact-failure	ALLOW	VED BACK AFTER 3 HOURS.
SC:	RAILACC rail-accident,-no-other-vehicle	RA:	1
KW:	COMPANY Firm or company involved;	ID:	19790410
AREA S	Size of the area affected	IY:	1979
AB:	MISSOURI-KANSAS-TEXAS RAILWAY	KR:	1
INTO F	REAR OF ST. LOUIS-SAN FRANSIS CO	ER:	500
RAILW	AY TRAIN. 2 TANK CARS OF DIESEL		
FUEL (ON FIRE. EVACUTION OF ALL IN 2		
	ADIUS WHEN FIRE THREATENED		
CAR O	F POWDERED AMMONIUM NITRATE.	126)	AN: 528
ALLOV	VED BACK AFTER 3 HOURS.	ME:	N
RA:	1	CR:	SRD
ID:	19790410	DA:	01/03/1979
IY:	1979	PD:	U urban
KR:	1	LO:	UK; SURREY; FARNHAM
ER:	500	MN:	DIESEL FUEL
		MH:	FI fire
		MC:	1223
125b)	AN: 573	IT:	CONTREL continuous-release
ME:	A-; Y	OG:	TRANSPORT transport-;
CR:	SRD	ROADT	ΓANKER road-tanker
DA:	10/04/1979	NP:	Killed: 0; Injured: 4; Evacuated:
PD:	U urban	GC:	IMPACT impact-failure
LO:	USA; KANSAS; COLUMBUS	SC:	ROADACC road-accident,-no-other-vehicle
MN:	DIESEL FUEL	IS:	NONIGNITE non-ignition-of-flammable-
MH:	FI fire	materials	S

KW:

incident (natural environment)

AB: TANKER RAN OUT OF CONTROL ON STEEP STREET + CRASHED. TANKER LEAKED + AREA WAS CORDONED OFF. SOME FUEL FLOWED INTO RIVER WEY. RA: ID: 19790301 IY: 1979 0 KR: IR: 4 127) AN: 335 ME: N SRD CR: 11/09/1970 DA: LO: UK; LONDON; GRAVESEND MN: DIESEL FUEL MH: FI fire MC: 1223 FIRE fire-; EXPLODE explosion-IT: OG: STORAGE storage-; ASVESSEL storagevessels,-atmospheric-pressure COMPANY Firm or company involved; TIMING Timing of the incident, time of day, shift, handover, lunch break, etc. DIESEL TANK EXPLODED. FIRE EXTINGUISHED WITH SLIGHT DAMAGE TO A JETTY. "SARGENT BROS" (THAMES). RĂ: 1 ID: 19700911 IY: 1970

Pag. 66 di 66 Edizione Ottobre 2006

RESPONSE Emergency response to the incident; ENVIRMNT Environmental impact of the