OCIMF Vessel Particulars Questionnaire HVPQ4

1 Chapter 1

1 GENERAL INFORMATION

1.1:	Date this HVPQ document completed	Monday, 12 Jan 2009
1.2:	Name of ship	Pan Aegis
1.3:	LR/IMO Number	9489560
1.4:	Last previous name	Not applicable
1.4.1:	Date of name change	Not applicable
1.5:	Second last previous name	Not applicable
1.5.1:	Date of name change	Not applicable
1.6:	Third last previous name	Not applicable
1.6.1:	Date of name change	Not applicable
1.7:	Fourth last previous name	Not applicable
1.7.1:	Date of name change	Not applicable
1.8:	Flag	Barbados
1.9:	Port of Registry	Bridgetown
1.10:	If the flag has been changed, what was previous flag?	Malta
1.11:	Call sign	8PVN
1.12:	INMARSAT number	870-76485559
1.13:	Ship's fax number	870-764885561
1.14:	Ship's telex number	Not applicable
1.15:	Mobile Phone Number	Not applicable
1.16:	Ship's Email address	Saegi@hellespont.com
1.17:	Type of ship	Chemical
1.18:	Vessel's MMSI No. (Maritime Mobile Selective Call Identity Code)	314286000
1.19:	Type of Hull	Double hull

2 OWNERSHIP AND OPERATION

1.20:	Name of the Registered Owner	PanRE Aegis Corp.
1.20.1:	Full address	Suite 100 One Financial Place LOwer Collymore Rock St Michael ,BB 1100
1.20.2:	Office telephone number	**+30 210 4283933**
1.20.3:	Office telex number	Not applicable
1.20.4:	Office fax number	+ 30 210 4282818
1.20.5:	Office Email address	managers@hellespont.com
1.20.6:	Contact person	Alex Papachristidis-Bove
1.20.7:	Contact person after hours telephone number	**+30 6944 551 575**
1.21:	Number of years this ship has been owned by Registered Owner	1 Years
1.22:	Name of Technical Operator (if different from Registered Owner)	HELLESPONT STEAMSHIP CORPORATION
1.22.1:	Full Address	110-112 NOTARA STREET, GR 185-35, PIRAEUS GREECE

1.22.2:	Office telephone number	**+30 210 4283933**
1.22.3:	Office telex number	
1.22.4:	Office fax number	+30 210 4282818
1.22.5:	Office Email address	managers@hellespont.com
1.22.6:	Contact person (Designated Person Ashore)	Alex Papachristidis-Bove
1.22.7:	Contact person after hours telephone number	**+30 6944 551 575**
1.22.8:	Emergency callout number	**+30 210 4284038**
1.22.9:	Emergency callout pager number	
1.22.10:	Contact details for person responsible for oil spill response	Alex Papachristidis-Bove
1.23:	Number of years this vessel has been controlled by technical operator	1 Years
1.24:	Total number of ships operated by this Technical Operator	2
1.25:	Name of Commercial Operator (if different from Registered Owner)	Seatramp Tankers Inc.
1.25.1:	Full Address	110-112 NOTARA STREET, GR 185-35, PIRAEUS, GREECE
1.25.2:	Office telephone number	**+30 210 4283 933**
1.25.3:	Office telex number	
1.25.4:	Office fax number	+30 210 4282 818
1.25.5:	Office Email address	chartering@seatramp.com
1.25.6:	Contact person	Alex Papachristidis-Bove
1.25.7:	Contact person after hours telephone number	**+30 6944 5515 75**

3 BUILDER

1.26:	Builder	SELAY SHIPYARD/TUZLA-TURKEY
1.27:	Date of building contract	Friday, 15 Sep 2006
1.28:	Hull number	116
1.29:	Date keel laid	Thursday, 14 Dec 2006
1.30:	Date launched	Not applicable
1.31:	Date delivered	Tuesday, 25 Nov 2008
1.32:	If applicable, date of completion of major hull changes	Not applicable
1.33:	List what changes were made.	Not applicable

4 CLASSIFICATION

1.34:	Classification society	Bureau Veritas
1.35:	Class Notation	A1, Ice Class IC, AMS, ACCU, VEC, ESP
1.36:	If Classification society changed, name of previous society	BV
1.37:	If Classification society changed, date of change	Not applicable
1.38:	Date of last dry-dock	Not applicable
1.39:	Date of second last dry-dock	Not applicable
1.40:	Date next dry-dock due	Monday, 25 Nov 2013
1.41:	Date of last special survey	Not applicable
1.42:	Was last special survey an enhanced special survey?	No
1.43:	Date next special survey due	Friday, 25 Nov 2011
1.44:	If ship has Condition Assessment Programme (CAP) rating, what is the latest rating?	0
1.45:	Date of last annual survey	Not applicable

1.46:	Date of last boiler survey - Port boiler	Not applicable
1.47:	Date of last boiler survey - Starboard boiler	Not applicable
1.48:	Is the ship subject to Continuous Machinery Survey?	Yes

5 DIMENSIONS

1.49:	Length overall (LOA)	121 Meters
1.50:	Length between perpendiculars (LBP)	112 Meters
1.51:	Extreme breadth	16 Meters
1.52:	Moulded breadth	16 Meters
1.53:	Moulded depth	8 Meters
1.54:	Keel to masthead	33 Meters
1.55:	Distance bow to bridge	98 Meters
1.56:	Distance bridge front - mid point manifold	33 Meters
1.57:	PARALLEL MID-BODY DIAGRAM	Not applicable
1.57.1:	Distance bow to mid-point manifold	65 Meters
1.57.2:	Distance stern to mid-point manifold	56 Meters
1.57.3:	Parallel body (light ship)	41 Meters
1.57.4:	Parallel body, forward to mid-point manifold (light ship)	15 Meters
1.57.5:	Parallel body, aft to mid-point manifold (light ship)	17 Meters
1.57.6:	Parallel body (normal ballast)	61 Meters
1.57.7:	Parallel body, forward to mid-point manifold (normal ballast)	24 Meters
1.57.8:	Parallel body, aft to mid-point manifold (normal ballast)	24 Meters
1.57.9:	Parallel body at loaded summer deadweight (SDWT)	74 Meters
1.57.10:	Parallel body, forward to mid-point manifold at loaded SDWT	29 Meters
1.57.11:	Parallel body, aft to mid-point manifold at loaded SDWT	32 Meters
1.58:	Does ship have a bulbous bow?	Yes

6 TONNAGES

1.59:	Net Registered Tonnage	2041 Tonnes
1.60:	Gross Tonnage	4365 Tonnes
1.61:	Suez Tonnage	
1.61.1:	Suez Canal Gross Tonnage (SCGT)	Not applicable
1.61.2:	Suez Canal Net Tonnage (SCNT)	Not applicable
1.62:	Panama Tonnage	Not applicable

7 LOADLINE INFORMATION

1.63.1:	Summer Freeboard	1.68 Meters
1.63.2:	Summer Draft	6.332 Meters
1.63.3:	Summer Deadweight	6308 Tonnes
1.63.4:	Summer Displacement	8938 Tonnes
1.64.1:	Winter Freeboard	1.80 Meters
1.64.2:	Winter Draft	6.211 Meters
1.64.3:	Winter Deadweight	6022 Tonnes
1.64.4:	Winter Displacement	8738 Tonnes

1.65.1:	Tropical Freeboard	1.55 Meters
1.65.2:	Tropical Draft	6.464 Meters
1.65.3:	Tropical Deadweight	6439 Tonnes
1.65.4:	Tropical Displacement	9156 Tonnes
1.66.1:	Lightship Freeboard	5.83 Meters
1.66.2:	Lightship Draft	2.174 Meters
1.66.3:	Lightship Deadweight	
1.66.4:	Lightship Displacement	2716 Tonnes
1.67.1:	Normal Ballast Condition Freeboard	3.74 Meters
1.67.2:	Normal Ballast Condition Draft	4.258 Meters
1.67.3:	Normal Ballast Condition Deadweight	3027 Tonnes
1.67.4:	Normal Ballast Condition Displacement	5743 Tonnes
1.68.1:	Segregated Ballast Condition Freeboard	3.74 Meters
1.68.2:	Segregated Ballast Condition Draft	4.258 Meters
1.68.3:	Segregated Ballast Condition Deadweight	3027 Tonnes
1.68.4:	Segregated Ballast Condition Displacement	5743 Tonnes
1.69:	FWA at Summer Draft (Freeboard)	135 Millimeters
1.70:	TPC Immersion at Summer Draft (Freeboard)	16 Tonnes
1.71.1:	Draught Fore at normal ballast conditions (Freeboard)	3.000 Meters
1.71.2:	Draught Aft at normal ballast conditions (Draft)	5.000 Meters
1.72:	Does ship have Multiple SDWT ?	No
1.73:	If yes, what is maximum assigned Deadweight?	Not applicable
1.74:	What is the max. height of mast above waterline (air draft) in normal SBT condition?	Not applicable

8 RECENT OPERATIONAL HISTORY

1.75:	Has the ship traded continuously without requirement for unscheduled repairs since the last dry-dock, except for normal maintenance?	Yes
1.76:	If unscheduled repairs have been carried out, what was the nature of the repairs?	No
1.77:	Has ship been involved in a pollution incident during the past 12 months?	No
1.78:	Has ship been involved in a grounding incident during the past 12 months?	No
1.79:	Has ship been involved in a collision during the past 12 months?	No

2 Chapter 2

1 CERTIFICATES

2.1:	Register Number	733543
2.2.1:	Safety Equipment Certificate (Issued)	Monday, 24 Nov 2008
2.2.2:	Safety Equipment Certificate (Expires)	Friday, 24 Apr 2009
2.2.3:	Safety Equipment Certificate (Last Annual)	Monday, 24 Nov 2008
2.3.1:	Safety Radio Certificate (Issued)	Wednesday, 26 Nov 2008
2.3.2:	Safety Radio Certificate (Expires)	Sunday, 26 Apr 2009

2.3.3:	Safety Radio Certificate (Last Annual)	Wednesday, 26 Nov 2008
2.4.1:	Safety Construction Certificate (Issued)	Monday, 24 Nov 2008
2.4.2:	Safety Construction Certificate (Expires)	Saturday, 24 Jan 2009
2.4.3:	Safety Construction Certificate (Last Annual)	Monday, 24 Nov 2008
2.5.1:	Loadline Certificate (Issued)	Monday, 24 Nov 2008
2.5.2:	Loadline Certificate (Expires)	Saturday, 24 Jan 2009
2.5.3:	Loadline Certificate (Last Annual)	Monday, 24 Nov 2008
2.6.1:	International Oil Pollution Prevention Certificate (IOPPC) (Issued)	Monday, 24 Nov 2008
2.6.2:	International Oil Pollution Prevention Certificate (IOPPC) (Expires)	Saturday, 24 Jan 2009
2.6.3:	International Oil Pollution Prevention Certificate (IOPPC) (Last Annual)	Monday, 24 Nov 2008
2.7:	Type of Oil Tanker as specified by IOPPC Crude/Product (If not an oil tanker, specify)	Oil Tanker
2.8.1:	Safety Management Certificate (Issued) (SMC)	Friday, 28 Nov 2008
2.8.2:	Safety Management Certificate (Expires) (SMC)	Wednesday, 27 May 2009
2.8.3:	Safety Management Certificate (Last Intermediate) (SMC)	Friday, 28 Nov 2008
2.9.1:	Document of Compliance (Issued) (DOC)	Thursday, 11 Dec 2008
2.9.2:	Document of Compliance (Expires) (DOC)	Tuesday, 10 Dec 2013
2.9.3:	Document of Compliance (Endorsed) (DOC)	Not applicable
2.10.1:	USCG Letter of Compliance (if applicable) (Issued)	Not applicable
2.10.2:	USCG Letter of Compliance (if applicable) (Expires)	Not applicable
2.10.3:	USCG Letter of Compliance (if applicable) (Last Annual)	Not applicable
2.11.1:	Date of last USCG Tank Vessel Examination Letter (TVEL) (Issued)	Not applicable
2.11.2:	Date of last USCG Tank Vessel Examination Letter (TVEL) (Expires)	Not applicable
2.12:	Minimum Safe Manning Certificate	Tuesday, 25 Nov 2008
2.13:	Civil Liability Convention Certificate (1969)	Tuesday, 25 Nov 2008
2.14:	Civil Liability Convention Certificate (1992)	Tuesday, 25 Nov 2008
2.15:	U.S. Certificate of Financial Responsibility	Not applicable
2.16:	Certificate of Fitness (Chemicals)	Tuesday, 25 Nov 2008
2.17:	Certificate of Fitness (Gas)	Not applicable
2.18:	Noxious Liquids Certificate	Not applicable
2.19:	Unattended Machinery Space Certificate (Issued)	Not applicable
2.20:	International Tonnage Certificate (Issued)	Monday, 7 Jul 2008

2 DOCUMENTS

2.21:	IMO Safety of Life at Sea Convention (SOLAS 74)	Yes
2.22:	IMO International Code of Signals (SOLAS V-Reg 21)	Yes
2.23:	IMO International Convention for the Prevention of Pollution from Ships (MARPOL 73/78)	Yes
2.24:	IMO Ships Routeing	Yes
2.25:	IMO International Regulations For Preventing Collisions at Sea (COLREGS)	Yes
2.26:	IMO Standards of Training, Certification and Watchkeeping (STCW Convention)	Yes

2.27:	ICS Guide to Helicopter/Ship Operations	Yes
2.28:	OCIMF/ICS/IAPH International Safety Guide for Oil Tankers and Terminals (ISGOTT)	Yes
2.29:	OCIMF/ICS Clean Seas Guide for Oil Tankers	Yes
2.30:	OCIMF/ICS Prevention of Oil Spillages Through Cargo Pumproom Sea Valves	Yes
2.31:	OCIMF/ICS Ship to Ship Transfer Guide (Petroleum)	Yes
2.32:	OCIMF Recommendations for Oil Tanker Manifolds and Associated Equipment	Yes
2.33:	OCIMF Mooring Equipment Guidelines	Yes
2.34:	OCIMF Effective Mooring	Yes
2.35:	USCG Regulations for Tankers (USCG 33 CFR/46 CFR)	Yes
2.36:	Oil Transfer Procedures (USCG 33 CFR 155-156)	Yes
2.37:	Operator's ISM Manuals	Yes
2.38:	Is the publication IMO-Inert Gas Systems, or Ship Technical Operator's equivalent manual on board?	Yes
2.39:	Is the publication IMO-Cow Systems, or Ship Technical Operator's equivalent manual on board?	No
2.40:	ICS Bridge Procedures Guide	Yes
2.41:	IAMSAR Vol.3	Yes
2.42:	Nautical Institute Bridge Team Management	Yes
2.43:	International Medical Guide for Ships(or equivalent)	Yes
2.44:	ISPS Code	Yes

3 FOR CHEMICAL TANKERS ONLY

2.45:	IMO Code for Construction & Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code)	Yes
2.46:	IMO Index of Dangerous Chemicals Carried in Bulk	Yes
2.47:	ICS Tanker Safety Guide (Chemicals)	Yes
2.48:	IMO Code for Construction & Equipment of Ships Carrying Dangerous Chemicals in Bulk (BCH Code)	Yes
2.49:	Chemical Data Guide (USCG 1990 CIM 16616.6A)	Yes
2.50:	Medical First Aid Guide for Use in Accidents involving Dangerous goods (MFAG)	Yes
2.51:	Procedures and Arrangements (P&A) Manual	Yes

4 FOR GAS CARRIERS ONLY

2.52:	IMO Code for Construction & Equipment of Ships Carrying Liquefied Gases in Bulk (IGC Code)	Not applicable
2.53:	ICS Tanker Safety Guide (Liquefied Gas)	Not applicable
2.54:	SIGTTO Liquefied Gas Handling Principles on Ships and in Terminals	Not applicable
2.55:	SIGTTO Guide to Pressure Relief Valve Maintenance and Testing	Not applicable
2.56:	ICS Ship to Ship Transfer Guide (Liquefied Gases)	Not applicable
2.57:	IMO International Code for the Construction and Equipment of Ships Carrying Liquefied Gases in Bulk (IGC Code)	Not applicable
2.58:	IMO Code for Existing Ships Carrying Liquefied Gases in Bulk (EGC Code)	Not applicable

3 Chapter 3

1 CREW MANAGEMENT

3.1:	Minimum manning required (officers)	7
3.1.1:	Actual manning (officers)	7
3.1.2:	List Nationality of Officers	Filipino
3.1.3:	Master employed by (Vessel Operator)	Yes
3.1.4:	Officers employed by (Vessel Operator)	Yes
3.1.5:	Ratings employed by (Vessel Operator)	Yes
3.1.6:	Common language used (Vessel Operator)	ENGLISH
3.1.7:	Full name of Manning agent 1 (Officers)	Manila Shipmanagement & Manning
3.1.7.1:	Full address	Ground Floor, Princess Building 104 Esteban St., Legaspi Village Makati City.Manila, Philippines
3.1.7.2:	Office telephone number	**+632 892 4071**
3.1.7.3:	Office telex number	
3.1.7.4:	Office fax number	+632 816 6993
3.1.7.5:	Office Email address	email@manship.com
3.1.8:	Are manning agent(s) wholly or partially owned by Operator?	Yes
3.1.9:	If No, does Operator have selection rights?	Not applicable
3.1.10:	Does vessel's Operator maintain personnel files on officers assigned to his vessels?	Yes
3.1.11:	Do officers regularly return to Operator's vessels?	Yes
3.2:	Minimum manning required (ratings)	4
3.2.1:	Actual manning (ratings)	7
3.2.2:	List Nationality of Ratings	Filipino
3.2.3:	Master employed by (Manning Agent)	Yes
3.2.4:	Officers employed by (Manning Agent)	Yes
3.2.5:	Ratings employed by (Manning Agent)	Yes
3.2.6:	Common language used (Manning Agent)	English
3.2.7:	Full name of Manning agent 1 (Ratings)	Manila Shipmanagement & Manning
3.2.7.1:	Full address	Ground Floor, Princess Building 104 St, Legaspi Village, Makati city, Manila, Philippines
3.2.7.2:	Office telephone number	**+ 632 892 4071**
3.2.7.3:	Office telex number	
3.2.7.4:	Office fax number	+ 632 816 6993
3.2.7.5:	Office Email address	email@manship.com
3.2.8:	Does vessel's Operator maintain personnel files on ratings assigned to his vessels?	Yes
3.2.9:	Do ratings regularly return to Operator's vessels?	Yes

2 CONTINUITY

3.3:	Do senior officers return to the same ship on a rotational basis?	Yes
3.4:	Are senior officers rotated on ships of similar class within company fleet?	Yes
3.5:	Are junior officers and ratings rotated on ships of similar	Yes

	class within company fleet?	
3.6:	If senior officers do not return to same ship on a rotational basis, are changes of Master, Chief Officer and Second Engineer organised to avoid a full change of officers at same time?	Yes

3 TRAINING

3.7:	List Operator sponsored training courses available to officers (Bridge Management etc.)	- BRIDGE RESOURCE MANAGEMENT,- EXTENDED FIRE FIGHTING,- ADVANCED FIRE FIGHTING,- HAZARDOUS ATMOSPHERE MONITORING,- BRIDGE SIMULATION,- ENGINE SIMULATION
3.8:	List Operator sponsored training courses available to ratings (Fire Fighting etc.)	FIRE FIGHTING , Tanker Saftey, Watch Keeping , Survival at Sea
3.9:	Are Masters and Chief Engineers required to attend company office before and after each tour of duty?	Yes
3.10:	Does operator hold regular training seminars ashore for officers?	Yes
3.11:	Are training seminars provided on board for officers and ratings?	Yes
3.12:	What courses, exceeding statutory requirements, are provided for senior officers?	- BRIDGE RESOURCE MANAGEMENT,- HAZARDOUS ATMOSPHERE MONITORING,- EXTENDED FIRE FIGHTING,- BRIDGE/ENGINE SIMULATION
3.13:	What courses, exceeding statutory requirements, are provided for junior officers?	- ADVANCED FIRE FIGHTING,- HAZARDOUS ATMOSPHERE MONITORING
3.14:	What courses, exceeding statutory requirements, are provided for ratings?	- ADVANCED FIRE FIGHTING,

4 Chapter 4

1 NAVIGATION

4.1.1:	Magnetic compass	Yes
4.1.2:	Magnetic compass (Type)	TOKIMEC SH-165A1
4.1.3:	Magnetic compass (Number of Units)	2
4.2.1:	Gyro compass	Yes
4.2.2:	Gyro compass (Type)	TOKIMEC TG-8000D
4.2.3:	Gyro compass (Number of Units)	2
4.3.1:	Gyro Autopilot	Yes
4.3.2:	Gyro Autopilot (Type)	TOKIMEC.PR-6134
4.3.3:	Gyro Autopilot (Number of Units)	1
4.4.1.1:	Radar 1	Yes
4.4.1.2:	Radar (Type)	FURUNO , FAR-2137S HP RASTERSCAN S-BAND ARPA
4.4.1.3:	Radar 1 (Number of Units)	1
4.4.2.1:	Radar 2	Yes
4.4.2.2:	Radar (Type)	FURUNO FAR - 2117 HP RASTERSCAN X-BAND ARPA
4.4.2.3:	Radar 2 (Number of Units)	1
4.4.3:	Are radars gyro stabilised?	Yes
4.5:	Is there at least one radar operating in the 9 GHz frequency band (3cm/x band)?	Yes
4.6:	Are the 3 GHz (10cm/S band) and 9Ghz (3cm / X band) radars fitted with an electronic switching unit?	Yes
4.7.1:	Radar plotting equipment	Not applicable

4.7.2:	Radar plotting equipment (Type)	
4.7.3:	Radar plotting equipment (Number of Units)	
4.8.1:	Are the Radars fitted with ARPA?	Yes
4.8.2:	Type of ARPA	FURUNO,FAR-2137S HP RASTERSCAN S-BAND ARPA FURUNO FAR-2117 HP RASTERSCAN X-BAND ARPA
4.8.3:	Number of ARPA Units installed	2
4.9.1:	Depth sounder with recorder	Yes
4.9.2:	Depth sounder with recorder (Type)	FURUNO FE-700
4.9.3:	Depth sounder with recorder (Number of Units)	1
4.10.1:	Speed/distance indicator	No
4.10.2:	Speed/distance indicator (Type)	
4.10.3:	Speed/distance indicator (Number of Units)	
4.11.1:	Doppler log	Yes
4.11.2:	Doppler log (Type)	FURUNO DS - 80
4.11.3:	Doppler log (Number of Units)	1
4.12.1:	Docking approach doppler	No
4.12.2:	Docking approach doppler (Type)	
4.12.3:	Docking approach doppler (Number of Units)	
4.13.1:	Rudder angle indicator	Yes
4.13.2:	Rudder angle indicator (Type)	ROLLS - ROYCE
4.13.3:	Rudder angle indicator (Number of Units)	4
4.14.1:	RPM indicator	Yes
4.14.2:	RPM indicator (Type)	ZF-ECS 4000
4.14.3:	RPM indicator (Number of Units)	3
4.15.1:	Controllable pitch propeller indicator	Yes
4.15.2:	Controllable pitch propeller indicator (Type)	ZF-ECS 4000
4.15.3:	Controllable pitch propeller indicator (Number of Units)	3
4.16.1:	Bow thruster indicator	Yes
4.16.2:	Bow thruster indicator (Type)	/////
4.16.3:	Bow thruster indicator (Number of Units)	3
4.17.1:	Stern Thrust indicator	No
4.17.2:	Stern Thrust indicator (Type)	Not applicable
4.17.3:	Stern Thrust indicator (Number of Units)	
4.18.1:	Rate of turn indicator	No
4.18.2:	Rate of turn indicator (Type)	Not applicable
4.18.3:	Rate of turn indicator (Number of Units)	
4.19.1:	Radio direction finder	No
4.19.2:	Radio direction finder (Type)	Not applicable
4.19.3:	Radio direction finder (Number of Units)	
4.20.1:	Navtex receiver	Yes
4.20.2:	Navtex receiver (Type)	FURUNO NX-700A
4.20.3:	Navtex receiver (Number of Units)	1
4.21.1:	Satellite navigation receiver	No
4.21.2:	Satellite navigation receiver (Type)	Not applicable

4.21.3:	Satellite navigation receiver (Number of Units)	
4.22.1:	Is the ship fitted with GPS?	Yes
4.22.2:	Type of GPS installed?	FURUNO GP-150
4.22.3:	Number of GPS units installed?	2
4.23.1:	Is the ship fitted with Differential GPS?	No
4.23.2:	Type of Differential GPS installed?	Not applicable
4.23.3:	Number of Differential GPS units installed?	0
4.24.1:	Is there an Electronic Chart Display?	Yes
4.24.2:	Is there an Electronic Chart Display? (Type)	FURUNO,FEA-2107
4.24.3:	Is there an Electronic Chart Display? (Number of Units)	1
4.25:	Is the Electronic Chart Display incorporated into an approved ECDIS ?	No
4.26.1:	Integrated Navigation System (INS)	No
4.26.2:	Integrated Navigation System (INS) (Type)	
4.26.3:	Integrated Navigation System (INS) (Number of Units)	
4.27.1:	Decca navigator	No
4.27.2:	Decca navigator (Type)	
4.27.3:	Decca navigator (Number of Units)	
4.28.1:	Omega receiver	No
4.28.2:	Omega receiver (Type)	
4.28.3:	Omega receiver (Number of Units)	
4.29.1:	Loran C receiver	No
4.29.2:	Loran C receiver (Type)	
4.29.3:	Loran C receiver (Number of Units)	
4.30.1:	Course recorder	Yes
4.30.2:	Course recorder (Type)	TOKIMEC,CR-4
4.30.3:	Course recorder (Number of Units)	1
4.31.1.1:	Off - course alarm - gyro	Yes
4.31.1.2:	Off - course alarm - gyro (Type)	TOKIMEC,TG-8000D
4.31.1.3:	Off - course alarm - gyro (Number of Units)	2
4.31.2.1:	Off - course alarm - magnetic	Yes
4.31.2.2:	Off - course alarm - magnetic (Type)	TOKIMEC,SH-165A1
4.31.2.3:	Off - course alarm - magnetic (Number of Units)	1
4.32.1:	Engine order printer	No
4.32.2:	Engine order printer (Type)	
4.32.3:	Engine order printer (Number of Units)	0
4.33.1:	Anemometer	Yes
4.33.2:	Anemometer (Type)	
4.33.3:	Anemometer (Number of Units)	1
4.34.1:	Weather fax	Yes
4.34.2:	Weather fax (Type)	FURUNO FAX-30
4.34.3:	Weather fax (Number of Units)	1
4.35:	Does ship carry sextant(s)?	Yes
4.36:	Does ship carry a signal lamp?	Yes

4.37:	Is each bridge wing fitted with a rudder angle indicator?	Yes
4.38.1:	Is each bridge wing fitted with a RPM indicator?	Yes
4.38.2:	Is each bridge wing fitted with a gyro repeater?	Yes
4.39:	If the ship is fitted with a controllable pitch propeller, are indicators fitted on the bridge wings?	Yes
4.40:	Are steering motor controls and engine controls fitted on bridge wings?	Yes
4.41:	Is bridge equipped with a 'Dead-Man' alarm or equipment?	Yes

5 Chapter 5

1 SAFETY MANAGEMENT

5.1:	Is the vessel operated under a Quality Management System?	Yes
5.1.1:	If Yes, what type of system? (ISO9002 or IMO Resolution A.741(18))?	IMO resolution A.741(18)
5.1.2:	If Yes, who is the certifying body?	ABS
5.1.3:	Date of vessel certification	Friday, 11 Jul 2008

2 HELICOPTERS

5.2:	Can the ship comply with the ICS Helicopter Guidelines?	Not applicable
5.2.1:	If Yes, state whether winching or landing area provided	Not applicable
5.2.2:	What is diameter of circle provided?	Not applicable

3 FIRE FIGHTING EQUIPMENT & LIFE SAVING EQUIPMENT

5.3:	Is a fixed foam firefighting system installed for the cargo area?	Yes
5.4:	Type of foam on board	Alcohol
5.5:	Date of foam supply or last analysis certificate	Not applicable
5.6:	What fixed fire fighting system is provided for the paint locker?	S/W SPRINKLER
5.7:	What type of fire fighting system is fitted in pumproom(s)?	Not applicable
5.8:	What type of fire fighting system is fitted in engine room (s)?	FIXED CO2,S/W, G/W,SPRINKLER A/S MODEL M5,PORTABLE FE,PORTABLE FOAM APPLICATOR.
5.9:	What type of fire fighting system is fitted in void spaces(s)?	Not applicable
5.10:	Is a fixed dry powder firefighting system installed for the cargo area?	No
5.11:	Is a fixed water spray firefighting system installed for the cargo area?	No
5.12:	Is vessel equipped with recharging compressor for breathing apparatus?	Yes
5.13:	What type of lifeboat is fitted?	Freefall
5.14:	Is a dedicated rescue boat carried?	Yes
5.15:	The type of rescue boat is: Rigid/inflated/ rigid-inflated	Rigid

6 Chapter 6

1 POLLUTION PREVENTION

6.1:	Is ship fitted with a continuous deck edge fishplate enclosing the deck area?	Yes

6.1.1:	If Yes, what is its minimum vertical height above the deck plating?	180 Millimeters
6.1.2:	What is maximum vertical height above deck plating at aft thwartships coaming?	310 Millimeters
6.1.3:	How far forward is this height maintained?	0 Meters
6.2:	Is an athwartship deck coaming fitted adjacent to accommodation and service areas?	No
6.3:	What is the height of the coaming?	1000 Millimeters
6.4:	Is spill containment fitted under the cargo manifold?	Yes
6.5:	Is spill containment fitted under all bunker manifolds?	Yes
6.6:	Is containment fitted under the bunker tank vents?	Yes
6.7:	Is containment fitted around the deck machinery?	Yes
6.8:	Specify type of scupper plugs	MECHANICAL RUBBER
6.9:	Are means provided for draining or removing oil from deck area /containment?	Yes
6.10.1:	Sorbents	Yes
6.10.2:	Non-sparking hand scoops/shovels	Yes
6.10.3:	Containers	Yes
6.10.4:	Emulsifiers	Yes
6.10.5:	Non-sparking pumps	Yes
6.11:	Is the cargo piping system fully segregated from the sea chest?	Not applicable
6.12:	What type of sea valves that are fitted.	GATE
6.13:	If the ship is a pre-MARPOL tanker, is a cargo sea chest valve testing arrangement fitted which meets OCIMF recommendations?	Not applicable
6.14:	Are dump valves fitted to slop tanks which can be left open with inert gas pressure on the tanks?	Yes
6.15:	Are overboard discharges fitted with blanks or alternatively, is there a testing arrangement for the overboard valves?	Not applicable
6.16:	Is there a discharge below the waterline for Annex II substances	Yes
6.17:	Is there a discharge above the waterline for Annex I oily mixtures	Yes
6.18:	Does Operator have policy to pressure test cargo piping at intervals no greater than 12 months?	Yes
6.18.1:	If Yes, specify pressure	13.0 Bar
6.19:	Is garbage incinerator fitted?	Yes

2 OPA 90 REQUIREMENTS

6.20:	Has the vessel Operator submitted a Vessel Spill Response Plan to the US Coast Guard which has been approved by official USCG letter?	Yes
6.21:	Has a Geographic Specific Appendix been filed with the Captain of the Port for each Port Zone the vessel expects to enter or transit?	Yes
6.22:	Has the vessel Operator deposited a letter with the US Coast Guard confirming that the Operator has signed a service contract with an oil spill removal organisation for responding to a 'worst case scenario'?	Yes

7 Chapter 7

1 STRUCTURAL CONDITION

7.1:	Are cargo tanks coated?	Yes
7.1.1:	If Yes, specify type of coating	MARINE LINE
7.1.2:	If partially coated, specify which tanks are coated	Not applicable
7.1.3:	If cargo tanks are coated, specify to what extent	Whole Tank
7.2:	What is the condition of coating as determined by the criteria listed below?	Good
7.3:	Are ballast tanks coated?	Yes
7.3.1:	If ballast tanks are coated, specify type of coating	MODIFIED EPOXY
7.3.2:	If ballast tanks are coated, specify to what extent	WHOLE TANKS
7.3.3:	What is the condition of cargo/ballast tank coating?	GOOD
7.4:	Are there anodes in the cargo tanks?	No
7.5:	Are there anodes in the ballast tanks?	No
7.6:	What type of anodes are used?	
7.7:	What percentage of anodes have wasted?	0 Percent
7.8:	If anodes are aluminium, what is the height above tank bottom?	Not applicable
7.9:	Is a formal programme in place for regular inspection of void spaces, cargo and ballast tanks?	Yes
7.10:	Does ship have planned prevention maintenance programme (PPM)?	Yes
7.10.1:	Is PPM manual (card system) or computerised?	Computerised
7.10.2:	What areas of vessel does PPM cover?	All Ship
7.10.3:	Is PPM Class approved?	No

8 Chapter 8

1 CARGO AND BALLAST HANDLING

8.1:	Tank Plan	
8.1.1:	Tank Plan Diagram	Not applicable

2 DOUBLE HULL VESSELS

8.2:	Is vessel fitted with centreline bulkhead in all cargo tanks?	Y
8.2.1:	If Yes, is bulkhead solid or perforated?	Solid
8.2.2:	Is vessel fitted with any full breadth ballast tanks?	No
8.2.3:	If Yes, how many ballast tanks are full breadth?	
8.2.4:	Does vessel meet the IMO definition of 'double hull'?	Yes

3 CARGO TANK CAPACITIES

8.3:	Cargo Tank Capacities At 98% Full (M3)	
8.3.1:	Centre Tank Number 1 Capacity (98%)	Not applicable
8.3.2:	Centre Tank Number 2 Capacity (98%)	Not applicable
8.3.3:	Centre Tank Number 3 Capacity (98%)	Not applicable
8.3.4:	Centre Tank Number 4 Capacity (98%)	Not applicable
8.3.5:	Centre Tank Number 5 Capacity (98%)	Not applicable
8.3.6:	Centre Tank Number 6 Capacity (98%)	Not applicable
8.3.7:	Centre Tank Number 7 Capacity (98%)	Not applicable

8.3.8:	Centre Tank Number 8 Capacity (98%)	Not applicable
8.3.9:	Centre Tank Number 9 Capacity (98%)	Not applicable
8.3.10:	Centre Tank Number 10 Capacity (98%)	Not applicable
8.3.11:	Centre Tank Number 11 Capacity (98%)	Not applicable
8.3.12:	Centre Tank Number 12 Capacity (98%)	Not applicable
8.3.13:	Centre Tank Number 13 Capacity (98%)	Not applicable
8.3.14:	Centre Tank Number 14 Capacity (98%)	Not applicable
8.3.15:	Centre Tank Number 15 Capacity (98%)	Not applicable
8.3.16:	Wings (P & S combined) Number 1 Capacity (98%)	904 Cu Meters
8.3.17:	Wings (P & S combined) Number 2 Capacity (98%)	1164 Cu Meters
8.3.18:	Wings (P & S combined) Number 3 Capacity (98%)	1310 Cu Meters
8.3.19:	Wings (P & S combined) Number 4 Capacity (98%)	1317 Cu Meters
8.3.20:	Wings (P & S combined) Number 5 Capacity (98%)	1311 Cu Meters
8.3.21:	Wings (P & S combined) Number 6 Capacity (98%)	1077 Cu Meters
8.3.22:	Wings (P & S combined) Number 7 Capacity (98%)	Not applicable
8.3.23:	Wings (P & S combined) Number 8 Capacity (98%)	Not applicable
8.3.24:	Wings (P & S combined) Number 9 Capacity (98%)	Not applicable
8.3.25:	Wings (P & S combined) Number 10 Capacity (98%)	Not applicable
8.3.26:	Wings (P & S combined) Number 11 Capacity (98%)	Not applicable
8.3.27:	Wings (P & S combined) Number 12 Capacity (98%)	Not applicable
8.3.28:	Wings (P & S combined) Number 13 Capacity (98%)	Not applicable
8.3.29:	Wings (P & S combined) Number 14 Capacity (98%)	Not applicable
8.3.30:	Wings (P & S combined) Number 15 Capacity (98%)	Not applicable
8.4:	Centre Tank Total Capacity (98%)	Not applicable
8.5:	Slops 1st Tank Capacity (98%)	71 Cu Meters
8.5.1:	Slops 2nd Tank Capacity (98%)	71 Cu Meters
8.6:	Wings (P & S combined) Total Capacity (98%)	7082 Cu Meters
8.7:	Slops 3rd tank Capacity (98%)	Not applicable
8.7.1:	Slops 4th tank Capacity (98%)	Not applicable
8.8:	Centre Tank Total Capacity (98%)	Not applicable
8.9:	Wings (P & S combined) Total Capacity (98%)	7082 Cu Meters
8.10:	Grand Total Capacity (98%)	7227 Cu Meters

4 BALLAST TANK CAPACITIES

8.11:	Ballast Capacities At 100% Full (M3)	
8.11.1.1:	Tank Number 1 (Identity)	FPT(C)
8.11.1.2:	Tank Number 1 (Capacity)	138 Cu Meters
8.11.2.1:	Tank Number 2 (Identity)	1 PS
8.11.2.2:	Tank Number 2 (Capacity)	277 Cu Meters
8.11.3.1:	Tank Number 3 (Identity)	2 PS
8.11.3.2:	Tank Number 3 (Capacity)	446 Cu Meters
8.11.4.1:	Tank Number 4 (Identity)	3 PS
8.11.4.2:	Tank Number 4 (Capacity)	460 Cu Meters
8.11.5.1:	Tank Number 5 (Identity)	4 PS

8.11.5.2:	Tank Number 5 (Capacity)	459 Cu Meters
8.11.6.1:	Tank Number 6 (Identity)	5 PS
8.11.6.2:	Tank Number 6 (Capacity)	362 Cu Meters
8.11.7.1:	Tank Number 7 (Identity)	6 PS
8.11.7.2:	Tank Number 7 (Capacity)	199 Cu Meters
8.11.8.1:	Tank Number 8 (Identity)	Not applicable
8.11.8.2:	Tank Number 8 (Capacity)	Not applicable
8.11.9.1:	Tank Number 9 (Identity)	Not applicable
8.11.9.2:	Tank Number 9 (Capacity)	Not applicable
8.11.10.1:	Tank Number 10 (Identity)	Not applicable
8.11.10.2:	Tank Number 10 (Capacity)	Not applicable
8.11.11.1:	Tank Number 11 (Identity)	Not applicable
8.11.11.2:	Tank Number 11 (Capacity)	Not applicable
8.11.12.1:	Tank Number 12 (Identity)	Not applicable
8.11.12.2:	Tank Number 12 (Capacity)	Not applicable
8.11.13.1:	Tank Number 13 (Identity)	Not applicable
8.11.13.2:	Tank Number 13 (Capacity)	Not applicable
8.11.14:	Total Ballast Tank Capacities at 100% full	2789 Cu Meters

5 BALLAST HANDLING

8.12:	Ballast Handling	
8.12.1:	If vessel is a Pre-MARPOL tanker, indicate by tank number, tanks usually designated for departure ballast.	Not applicable
8.12.1.1:	Tank Location	Not applicable
8.12.2:	If vessel is a Pre-MARPOL tanker, indicate by tank number, tanks usually designated for arrival ballast.	Not applicable
8.12.2.1:	Tank Location	Not applicable
8.12.3:	Can vessel handle cargo and non-segregated ballast concurrently maintaining two valve segregation?	Not applicable
8.12.4:	Can dirty ballast be safely loaded with gas transfer method? (simultaneous cargo discharge and loading of ballast into empty tanks)	Not applicable

6 IF VESSEL IS CBT TANKER WITH MANUAL

8.13:	If the vessel is a CBT Tanker with Approved Manual:	
8.13.1:	Which cargo tanks are indicated as CBT in the IOPP Certificate?	Not applicable
8.13.2:	What is total capacity of CBT tanks?	
8.13.3:	Is the piping for CBT common with cargo piping or independent?	Not applicable

7 IF VESSEL IS SBT TANKER

8.14:	If Vessel is SBT Tanker:	
8.14.1:	What is total capacity of SBT?	2789 Cu Meters
8.14.2:	What percentage of summer deadweight can vessel maintain with SBT only?	45 Percent
8.14.3:	Does vessel meet the requirements of MARPOL Reg 13 (2)?	Yes
8.14.4:	Can segregated ballast be discharged through vessel's manifold?	No

8.14.5:	Is vessel equipped with spool piece designed to connect ballast system to cargo system?	Not applicable
8.14.6:	Do cargo lines pass through any dedicated or segregated ballast tanks?	No
8.14.7:	If Yes, what type of expansion is fitted?	
8.14.8:	Do ballast lines pass through any cargo tanks?	No
8.14.9:	If Yes, what type of expansion is fitted?	
8.14.10:	Can vessel pump water ashore for line clearing?	Yes
8.14.11:	If Yes, what is maximum attainable discharge rate?	300 Cu Meter/Hour
8.14.12:	If Yes, what is maximum acceptable back pressure?	3 Bar
8.14.13:	Which cargo tanks are designated for heavy weather ballast as per IMO?	
8.14.13.1:	Tank Location	

8 CARGO HANDLING

8.15:	How many grades/products can vessel load/discharge with double valve segregation?	12
8.15.1:	How many grades can vessel load/discharge using blank flanges?	12
8.15.2:	If vessel is fitted with deepwell pumps and heat exchangers, can pumps and heat exchangers be by-passed during loading?	Yes
8.15.3:	Is there Oil Discharge Monitoring Equipment (ODME) fitted?	Yes
8.15.4:	Is an Oil Discharge Monitoring System connected to the above waterline discharge?	Yes
8.15.5:	If yes, is the Oil Discharge Monitoring System designed to automatically stop the discharge of effluent when its oil content exceeds permitted levels?	Yes
8.16:	Is vessel equipped with class approved or certified stability computer?	Yes
8.16.1:	Does this stability programme consider damaged stability conditions?	No
8.17:	Is computer integrated with cargo system and equipped with alarm to monitor loading and discharging operations?	Yes

9 CARGO AND BALLAST PUMPING SYSTEMS

8.18.1:	Main Pump Number 1 (Identity)	COP
8.18.2:	Main Pump Number 1 (Number)	12
8.18.3:	Main Pump Number 1 (Type)	HAMWORTHY SVANEHOJ DL132B/150 SINGLE STAGE DEEPWELL
8.18.4:	Main Pump Number 1 (Type of Prime Mover)	ELECTRIC
8.18.5:	Main Pump Number 1 (Self Priming or Draining)	Self Priming
8.18.6:	Main Pump Number 1 (Capacity)	300 Cu Meter/Hour
8.18.7:	Main Pump Number 1 (Normal Back Pressure)	8 Bar
8.18.8:	Main Pump Number 1 (At what Head?)	80 Meters
8.18.9:	Main Pump Number 1 (Max RPM)	2806 RPM
8.19.1:	Main Pump Number 2 (Identity)	SLOP
8.19.2:	Main Pump Number 2 (Number)	1
8.19.3:	Main Pump Number 2 (Type)	SCREW
8.19.4:	Main Pump Number 2 (Type of Prime Mover)	ELECTRIC

8.19.5:	Main Pump Number 2 (Self Priming or Draining)	Self Priming
8.19.6:	Main Pump Number 2 (Capacity)	35 Cu Meter/Hour
8.19.7:	Main Pump Number 2 (Normal Back Pressure)	3 Bar
8.19.8:	Main Pump Number 2 (At what Head?)	30 Meters
8.19.9:	Main Pump Number 2 (Max RPM)	140 RPM
8.20.1:	Main Pump Number 3 (Identity)	SLOP
8.20.2:	Main Pump Number 3 (Number)	2
8.20.3:	Main Pump Number 3 (Type)	Centrifugal
8.20.4:	Main Pump Number 3 (Type of Prime Mover)	ELECTRIC
8.20.5:	Main Pump Number 3 (Self Priming or Draining)	Self Priming
8.20.6:	Main Pump Number 3 (Capacity)	35 Cu Meter/Hour
8.20.7:	Main Pump Number 3 (Normal Back Pressure)	3 Bar
8.20.8:	Main Pump Number 3 (At what Head?)	30 Meters
8.20.9:	Main Pump Number 3 (Max RPM)	1400 RPM
8.21.1:	Main Pump Number 4 (Identity)	COP
8.21.2:	Main Pump Number 4 (Number)	1
8.21.3:	Main Pump Number 4 (Type)	PORTABLE EMERGENCY SUBMERSIBLE CENTRIFUGAL HAMWORTHY NH 80-1 - NE
8.21.4:	Main Pump Number 4 (Type of Prime Mover)	HYDRAULIC
8.21.5:	Main Pump Number 4 (Self Priming or Draining)	Self Priming
8.21.6:	Main Pump Number 4 (Capacity)	70 Cu Meter/Hour
8.21.7:	Main Pump Number 4 (Normal Back Pressure)	7 Bar
8.21.8:	Main Pump Number 4 (At what Head?)	70 Meters
8.21.9:	Main Pump Number 4 (Max RPM)	2920 RPM
8.22.1:	Main Pump Number 5 (Identity)	
8.22.2:	Main Pump Number 5 (Number)	
8.22.3:	Main Pump Number 5 (Type)	
8.22.4:	Main Pump Number 5 (Type of Prime Mover)	
8.22.5:	Main Pump Number 5 (Self Priming or Draining)	
8.22.6:	Main Pump Number 5 (Capacity)	
8.22.7:	Main Pump Number 5 (Normal Back Pressure)	
8.22.8:	Main Pump Number 5 (At what Head?)	
8.22.9:	Main Pump Number 5 (Max RPM)	
8.23.1:	Main Pump Number 6 (Identity)	
8.23.2:	Main Pump Number 6 (Number)	
8.23.3:	Main Pump Number 6 (Type)	
8.23.4:	Main Pump Number 6 (Type of Prime Mover)	
8.23.5:	Main Pump Number 6 (Self Priming or Draining)	
8.23.6:	Main Pump Number 6 (Capacity)	
8.23.7:	Main Pump Number 6 (Normal Back Pressure)	
8.23.8:	Main Pump Number 6 (At what Head?)	
8.23.9:	Main Pump Number 6 (Max RPM)	
8.24.1:	Main Pump Number 7 (Identity)	
8.24.2:	Main Pump Number 7 (Number)	

8.24.3:	Main Pump Number 7 (Type)	
8.24.4:	Main Pump Number 7 (Type of Prime Mover)	
8.24.5:	Main Pump Number 7 (Self Priming or Draining)	
8.24.6:	Main Pump Number 7 (Capacity)	
8.24.7:	Main Pump Number 7 (Normal Back Pressure)	
8.24.8:	Main Pump Number 7 (At what Head?)	
8.24.9:	Main Pump Number 7 (Max RPM)	
8.25.1:	Main Pump Number 8 (Identity)	
8.25.2:	Main Pump Number 8 (Number)	
8.25.3:	Main Pump Number 8 (Type)	
8.25.4:	Main Pump Number 8 (Type of Prime Mover)	
8.25.5:	Main Pump Number 8 (Self Priming or Draining)	
8.25.6:	Main Pump Number 8 (Capacity)	
8.25.7:	Main Pump Number 8 (Normal Back Pressure)	
8.25.8:	Main Pump Number 8 (At what Head?)	
8.25.9:	Main Pump Number 8 (Max RPM)	
8.26.1:	Booster Pumps (Number)	
8.26.2:	Booster Pumps (Type)	
8.26.3:	Booster Pumps (Type of Prime mover)	
8.26.4:	Booster Pumps (Capacity) (water)	
8.26.5:	Booster Pumps (Normal Back Pressure)	
8.26.6:	Booster Pumps (At what Head?)	
8.26.7:	Booster Pumps (RPM)	
8.26.8:	Booster Pumps (Max RPM)	
8.27.1:	Stripping (Number)	
8.27.2:	Stripping (Type)	
8.27.3:	Stripping (Type of Prime Mover)	
8.27.4:	Stripping (Capacity)	
8.27.5:	Stripping (Normal Back Pressure)	
8.27.6:	Stripping (At what Head?)	
8.28.1:	Eductors (Number)	
8.28.2:	Eductors (Type)	
8.28.3:	Eductors (Type of Prime Mover)	
8.28.4:	Eductors(Capacity)	
8.28.5:	Eductors(Normal Back Pressure)	
8.28.6:	Eductors(At what Head?)	
8.29.1:	Ballast Handling Main Pump (Number)	2
8.29.2:	Ballast Handling Main Pump (Type)	Centrifugal
8.29.3:	Ballast Handling Main Pump (Type of Prime Mover)	ELECTRIC
8.29.4:	Ballast Handling Main Pump (Capacity)	300 Cu Meter/Hour
8.29.5:	Ballast Handling Main Pump (Normal Back Pressure)	2 Bar
8.29.6:	Ballast Handling Main Pump (At what Head?)	20 Meters
8.29.7:	Ballast Handling Main Pump (Max RPM)	3550 RPM

8.30.1:	Ballast Handling Stripping (Number)	
8.30.2:	Ballast Handling Stripping (Type)	
8.30.3:	Ballast Handling Stripping (Type of Prime Mover)	
8.30.4:	Ballast Handling Stripping (Capacity)	
8.30.5:	Ballast Handling Stripping (At what Head?)	
8.31.1:	Ballast Handling Eductors (Number)	2
8.31.2:	Ballast Handling Eductors (Type)	
8.31.3:	Ballast Handling Eductors (Type of Prime Mover)	OTHER
8.31.4:	Ballast Handling Eductors (Capacity)	30 Cu Meter/Hour
8.31.5:	Ballast Handling Eductors (At what Head?)	40 Bar
8.32:	Is vessel fitted with dedicated stripping lines and pumps?	Yes
8.33:	State location of cargo pump emergency stops (i)	CARGO CONTROL
8.34:	State location of cargo pump emergency stops (ii)	ENGINE CONTROL ROOM
8.35:	State location of cargo pump emergency stops (iii)	MANIFOLDS PORT SIDE
8.36:	State location of cargo pump emergency stops (iv)	MANIFOLDS STBD SIDE
8.37:	State location of cargo pump emergency stops (v)	STERN LINE AREA
8.38.1:	Are bearings of cargo pumps fitted with high temperature alarms?	No
8.38.2:	Are bearings of cargo pumps fitted with high temperature trips?	Not applicable
8.39.1:	Are bearings of ballast pumps fitted with high temperature alarms?	Not applicable
8.39.2:	Are bearings of ballast pumps fitted with high temperature trips?	Not applicable
8.40.1:	Are casings of cargo pumps fitted with high temperature alarms?	Not applicable
8.40.2:	Are casings of cargo pumps fitted with high temperature trips?	Not applicable
8.41.1:	Are casings of ballast pumps fitted with high temperature alarms?	Not applicable
8.41.2:	Are casings of ballast pumps fitted with high temperature trips?	Not applicable
8.42.1:	Are pumproom shaft glands through bulkheads fitted with high temperature alarms?	Not applicable
8.42.2:	Are pumproom shaft glands through bulkheads fitted with high temperature trips?	Not applicable
8.43:	What is the principal type of cargo valve?	BUTTERFLY MANUAL & HYDRAULIC
8.44:	What type of cargo valve actuator is fitted?	HYDRAULIC

10 CARGO CONTROL ROOM

8.45:	Is ship fitted with a Cargo Control Room? (CCR)	Yes
8.46:	Can cargo and ballast pumps be controlled from the CCR?	Yes
8.47:	Can all valves be controlled from the CCR?	Yes
8.48:	Can tank innage/ullage be read from the CCR?	Yes
8.49:	Is ODME readout fitted in the CCR?	Yes
8.50:	Can the IGS be controlled from the CCR?	Yes

11 GAUGING AND SAMPLING

8.51:	Can vessel operate under closed loading conditions in	Yes

	accordance with Section 7.6.3 of ISGOTT?	
8.51.1:	What type of fixed closed tankgauging system is fitted?	Radar
8.52:	Does tank gauging system have local reading?	No
8.52.1:	Is gauging system certified and calibrated?	Yes
8.52.2:	If it is a portable system does the sounding pipe extend to full tank depth?	Yes
8.53:	Are bunker tanks fitted with a full depth gauging system?	Yes
8.54:	Are high level alarms fitted?	Yes
8.54.1:	If Yes, indicate whether to all tanks or partial?	All
8.54.2:	Are high level alarms independent of the gauging system?	Yes
8.55:	Are bunker tanks fitted with high level alarms?	Yes
8.56:	If Yes, are bunker tank high level alarms part of the primary tank gauging system?	No
8.57:	Are closed sampling devices on board?	Yes
8.58:	Are cargo tanks fitted with dipping points as per IMO Res 497 4.4.4?	Yes
8.59:	If portable equipment for gauging uses vapour locks, are vapour locks calibrated?	Yes
8.59.1:	If Yes, by whom are vapour locks calibrated?	ENRAF TANK SYSTEM SA.
8.59.2:	If Yes, by whom are vapour locks certified?	BV
8.60:	If portable equipment used for gauging who is manufacturer?	ENRAF TANK SYSTEM SA
8.60.1:	If portable equipment used for gauging how many units are supplied?	3
8.60.2:	What is the name of the manufacturer of the vapour locks?	
8.61:	What is the nominal (internal) diameter of the vapour lock?	51 Millimeters
8.61.1:	To what standard is the thread of the vapour lock manufactured?	/////
8.61.2:	Can vapour lock be used for ullaging?	Yes
8.61.3:	Can vapour lock be used for temperature?	Yes
8.61.4:	Can vapour lock be used for interface?	Yes
8.61.5:	Can vapour lock be used for cargo sampling?	Yes
8.61.6:	If the vapour lock can be used for cargo sampling, what is the volume of the sample that can be drawn?	2" diameter 1 ltr volume
8.62:	Specify portable equipment for checking oil/water interface	YES 3 SETS UTI METER GTEX CHEM
8.63:	Can cargo samples be taken at the manifold?	No
8.64:	What is the means of taking cargo temperatures?	FIXED REMOTE READING

12 VAPOUR EMISSION CONTROL

8.65:	Is a vapour return system fitted?	Yes
8.65.6:	If fitted, is vapour line return manifold in compliance with OCIMF Guidelines?	Yes
8.66:	Is vessel certified for vapour transfer?	Yes
8.66.1:	If yes, by which organisation?	BV

13 VENTING

8.67:	State what type of venting system is fitted	HIGH VELOCITY P/V VALVES
8.68:	State maximum venting capacity	400 Cu Meter/Hour

8.69:	State P/V valve opening pressure	2040 MM/WG
8.70:	State P/V valve vacuum setting	-357 MM/WG
8.71:	Does each tank have isolating valve?	Yes
8.72:	Are cargo tanks fitted with full flow P/V valves without isolating valves between the P/V valve and tank?	Yes
8.73:	Is there a means of measuring the pressure in the vapour space in each cargo tank?	Yes
8.74:	Is venting through a mast riser?	Not applicable
8.75:	Are mast risers fitted with high velocity vents?	Not applicable
8.76:	If Yes, state opening pressure	Not applicable
8.77:	State vacuum setting of mast riser	Not applicable
8.78:	State throughput capacity of mast riser.	
8.79:	What is the maximum loading rate for homogenous cargo?	1800 Cu Meter/Hour

14 CARGO MANIFOLDS

8.80:	Does vessel comply with the latest edition of the OCIMF 'Recommendations for Oil Tanker Manifolds and Associated Equipment'?	Yes
8.81:	What type of valves are fitted at manifold?	Butterfly
8.82:	If hydraulic valves fitted, what are closing times?	
8.83:	What is the number of cargo connections per side?	12
8.84:	What is the size of cargo connections?	150 Millimeters
8.85:	Are pressure gauges fitted outboard of manifold valves?	Yes
8.86:	What is the material of the manifold?	STST AISI 316L
8.87:	Is the vessel fitted with a crossover at the manifold?	Yes
8.88:	Are manifold cross-connections made by hard or flexible piping? (chemical carriers)	Hard Piping

15 BUNKER MANIFOLDS

8.89:	What is the number of bunker connections per side?	1
8.90:	What is the size of the bunker connection?	100 Millimeters

16 MANIFOLD ARRANGEMENT

8.91:	Manifold Arrangement Diagram	null
8.92:	Distance A bunker manifold to cargo manifold	Not applicable
8.93:	Distance B cargo manifold to cargo manifold	350 Millimeters
8.94:	Distance C cargo manifold to vapour return manifold	350 Millimeters
8.95:	Distance D manifolds to ship's rail	3650 Millimeters
8.96:	Distance E spill tank grating to centre of manifold	596 Millimeters
8.97:	Distance F main deck to centre of manifold	1620 Millimeters
8.98:	Distance G maindeck to top of rail	1540 Millimeters
8.99:	Distance H top of rail to centre of manifold	400 Millimeters
8.100:	Distance J manifold to ship side	3650 Millimeters
8.101:	What is the height of the manifold connections above the waterline at loaded (Summer Deadweight) condition?	3.00 Meters
8.102:	What is the height of the manifold connections above the waterline in normal ballast?	5 Meters
8.103:	What is the distance between the keel and centre of	10 Meters

	manifold?	
8.104:	Is vessel fitted with a stern manifold?	Yes
8.104.1:	If stern manifold fitted, state size	200 Millimeters
8.105:	Is vessel fitted with a bow manifold?	No
8.105.1:	If bow manifold fitted, state size	
8.106.1:	Number of Reducers carried	1
8.106.2:	From Diameter	250 Millimeters
8.106.3:	To Diameter	200 Millimeters
8.107.1:	Number of Reducers carried	1
8.107.2:	From Diameter	250 Millimeters
8.107.3:	To Diameter	150 Millimeters
8.108.1:	Number of Reducers carried	1
8.108.2:	From Diameter	200 Millimeters
8.108.3:	To Diameter	150 Millimeters
8.109.1:	Number of Reducers carried	1
8.109.2:	From Diameter	150 Millimeters
8.109.3:	To Diameter	100 Millimeters
8.110.1:	Number of Reducers carried	0
8.110.2:	From Diameter	0 Millimeters
8.110.3:	To Diameter	0 Millimeters
8.111:	To what standard are manifold reducers manufactured? (ANSI, ASA, BSI, DIN, JIS, etc.)	ANSI

17 GAS MONITORING

8.112:	Is the vessel fitted with a fixed system to continuously monitor for flammable atmospheres?	Yes
8.112.1:	What spaces are monitored?	F.P.T & W.B.T &PUMPROOM&CCR CABINET
8.113:	Where are sensors/sampling points located in pumproom?	2 POINTS BILGE PLATFORM & MIDDLE PLATFORM
8.113.1:	Are sensors/sampling points calibrated/tested?	Yes
8.113.2:	Who is responsible for testing sensors/sampling points?	CH.OFF.
8.114.1:	Portable and Personal gas detection equipment carried Item Number 1 (Name)	MULTENTRY RAE,PGM 3000(O2+LEL+CO+H2S+VOC) TANK SCOPE
8.114.2:	Portable and Personal gas detection equipment carried Item Number 1 (Number of units)	1
8.115.1:	Portable and Personal gas detection equipment carried Item Number 2 (Name)	RIKEN KEIKI,RX-517,TANKSCOPE
8.115.2:	Portable and Personal gas detection equipment carried Item Number 2 (Number of units)	1
8.116.1:	Portable and Personal gas detection equipment carried Item Number 3 (Name)	RIKKEN KEIKI,OX-227 OXYGEN DETECTOR
8.116.2:	Portable and Personal gas detection equipment carried Item Number 3 (Number of units)	1
8.117.1:	Portable and Personal gas detection equipment carried Item Number 4 (Name)	QRAE II,PGM 2400 (O2 + LEL +H2S+CO) PERSONAL GAS DETECTOR
8.117.2:	Portable and Personal gas detection equipment carried Item Number 4 (Number of units)	4
8.118.1:	Portable and Personal gas detection equipment carried Item Number 5 (Name)	RAE,LP-1200.TOXIC DETECTOR HAND PUMP
8.118.2:	Portable and Personal gas detection equipment carried Item	2

	Number 5 (Number of units)	
8.119.1:	Portable and Personal gas detection equipment carried Item Number 6 (Name)	
8.119.2:	Portable and Personal gas detection equipment carried Item Number 6 (Number of units)	

18 CARGO HEATING

8.120:	Are there coils in cargo tanks?	Yes
8.121:	State the Number of independent sets of coils per tank	1
8.122:	Are all tanks coiled?	Yes
8.123:	What is the Height of coils above tank bottom?	Not applicable
8.124.1:	Heating surface per tank	34 Square Meters
8.124.2:	Heating surface per tank volume ratio	0.067
8.125:	Are heating coils welded or coupled?	Welded
8.126:	Are heat exchangers external to cargo tanks?	Yes
8.127:	Are there external ducts?	No
8.128:	What is the Material of heating coils?	SS
8.129:	Inlet heating medium to coils	Steam
8.130.1:	With Sea temperature	5 Degrees C
8.130.2:	With air temperature	2 Degrees C
8.131:	Heating agent	Diathermic oil
8.132:	Number of heaters	2
8.133.1:	Able to raise temperature from	15 Degrees C
8.133.2:	Able to raise temperature to	55 Degrees C
8.133.3:	Time taken to raise temperature	14 Hours
8.134:	Total capacity of boilers	4000 KCal

9 Chapter 9

1 INERT GAS AND CRUDE OIL WASHING

9.1:	Is an inert gas system (IGS) fitted? (If No, ignore remainder of this section)	Yes
9.2:	Is a P/V breaker fitted?	Yes
9.3:	Is IGS supplied by flue gas, inert gas (IG) generator and/or nitrogen?	Generator
9.4:	Are fixed O2 alarms fitted in inert gas generating spaces?	Yes
9.5:	What is the capacity of the IGS?	1500 Cu Meter/Hour
9.6:	How many fans does it have?	2
9.7:	What is the total combined fan capacity?	3000 Cu Meter/Hour
9.8:	Is a top-up IG generator fitted?	Not applicable
9.8.1:	If Yes, what is its capacity?	Not applicable
9.9:	Is an IGS operating manual on board?	Yes
9.10:	What type of deck seal is fitted?	SEMI-WET
9.11:	How many segregations does the IGS have?	12
9.12:	What method is used to isolate individual tanks?	VIA VAPOUR RETURN LINE
9.13:	What type of non-return valve is fitted?	CLOSED DISC TYPE

9.14:	What means of protection is fitted, other than minimum thermal variation P/V valves, if tanks can be individually isolated from the IG ?	BLIND SPECTACKLE FLANGE
9.15:	If ship has double hull or sides, are facilities available to inert ballast tanks and other void spaces?	Yes
9.15.1:	Can these tanks/spaces be purged with air?	Yes
9.16:	Where is the location of the emergency IGS connection?	ON THE VAPOUR RETURN LINE
9.16.1:	What is the size of the emergency IGS connection?	150 Millimeters
9.17:	Is a Crude Oil Washing (COW) installation fitted? (If No, ignore remainder of this section)	Not applicable
9.18:	Are COW drive units fixed or portable?	Not applicable
9.19:	Are COW drive units programmable?	Not applicable
9.20:	Is vessel capable of performing COW at the same time as cargo discharge?	Not applicable
9.21:	Is there an approved COW Manual on board?	Not applicable
9.22:	What is the working pressure of the COW lines?	

10 Chapter 10

1 MOORING

10.1:	Does the vessel comply with the latest edition of OCIMF Mooring Equipment Guidelines?	Yes

2 MOORING WIRES (ON DRUMS)

10.2.1:	Mooring Wires (On Drums) Forecastle (Number)	Not applicable
10.2.2:	Mooring Wires (On Drums) Forecastle (Diameter)	
10.2.3:	Mooring Wires (On Drums) Forecastle (Material)	
10.2.4:	Mooring Wires (On Drums) Forecastle (Length)	
10.2.5:	Mooring Wires (On Drums) Forecastle (Breaking Strength)	
10.3.1:	Mooring Wires (On Drums) Forward Main Deck (Number)	
10.3.2:	Mooring Wires (On Drums) Forward Main Deck (Diameter)	
10.3.3:	Mooring Wires (On Drums) Forward Main Deck (Material)	
10.3.4:	Mooring Wires (On Drums) Forward Main Deck (Length)	
10.3.5:	Mooring Wires (On Drums) Forward Main Deck (Breaking Strength)	
10.4.1:	Mooring Wires (On Drums) Aft Main Deck (Number)	
10.4.2:	Mooring Wires (On Drums) Aft Main Deck (Diameter)	
10.4.3:	Mooring Wires (On Drums) Aft Main Deck (Material)	
10.4.4:	Mooring Wires (On Drums) Aft Main Deck (Length)	
10.4.5:	Mooring Wires (On Drums) Aft Main Deck (Breaking Strength)	
10.5.1:	Mooring Wires (On Drums) Poop (Number)	
10.5.2:	Mooring Wires (On Drums) Poop (Diameter)	
10.5.3:	Mooring Wires (On Drums) Poop (Material)	
10.5.4:	Mooring Wires (On Drums) Poop (Length)	
10.5.5:	Mooring Wires (On Drums) Poop (Breaking Strength)	

3 MOORING WIRE TAILS

10.6:	Type of shackle	Not applicable
10.7.1:	Mooring Wire Tails Forecastle (Number)	
10.7.2:	Mooring Wire Tails Forecastle (Diameter)	
10.7.3:	Mooring Wire Tails Forecastle (Material)	
10.7.4:	Mooring Wire Tails Forecastle (Length)	Not applicable
10.7.5:	Mooring Wire Tails Forecastle (Breaking Strength)	Not applicable
10.8.1:	Mooring Wire Tails Forward Main Deck (Number)	
10.8.2:	Mooring Wire Tails Forward Main Deck (Diameter)	
10.8.3:	Mooring Wire Tails Forward Main Deck (Material)	
10.8.4:	Mooring Wire Tails Forward Main Deck (Length)	
10.8.5:	Mooring Wire Tails Forward Main Deck (Breaking Strength)	
10.9.1:	Mooring Wire Tails Aft Main Deck (Number)	
10.9.2:	Mooring Wire Tails Aft Main Deck (Diameter)	
10.9.3:	Mooring Wire Tails Aft Main Deck (Material)	
10.9.4:	Mooring Wire Tails Aft Main Deck (Length)	
10.9.5:	Mooring Wire Tails Aft Main Deck (Breaking Strength)	
10.10.1:	Mooring Wire Tails Poop (Number)	
10.10.2:	Mooring Wire Tails Poop (Diameter)	
10.10.3:	Mooring Wire Tails Poop (Material)	
10.10.4:	Mooring Wire Tails Poop (Length)	
10.10.5:	Mooring Wire Tails Poop (Breaking Strength)	

4 MOORING ROPES (ON DRUMS)

10.11.1:	Mooring Ropes (On Drums) Forecastle (Number)	4
10.11.2:	Mooring Ropes (On Drums) Forecastle (Diameter)	36 Millimeters
10.11.3:	Mooring Ropes (On Drums) Forecastle (Material)	PP+PE
10.11.4:	Mooring Ropes (On Drums) Forecastle (Length)	180 Meters
10.11.5:	Mooring Ropes (On Drums) Forecastle (Breaking Strength)	23 Tonnes
10.12.1:	Mooring Ropes (On Drums) Forward Main Deck (Number)	
10.12.2:	Mooring Ropes (On Drums) Forward Main Deck (Diameter)	
10.12.3:	Mooring Ropes (On Drums) Forward Main Deck (Material)	
10.12.4:	Mooring Ropes (On Drums) Forward Main Deck (Length)	
10.12.5:	Mooring Ropes (On Drums) Forward Main Deck (Breaking Strength)	
10.13.1:	Mooring Ropes (On Drums) Aft Main Deck (Number)	
10.13.2:	Mooring Ropes (On Drums) Aft Main Deck (Diameter)	
10.13.3:	Mooring Ropes (On Drums) Aft Main Deck (Material)	
10.13.4:	Mooring Ropes (On Drums) Aft Main Deck (Length)	
10.13.5:	Mooring Ropes (On Drums) Aft Main Deck (Breaking Strength)	
10.14.1:	Mooring Ropes (On Drums) Poop (Number)	4
10.14.2:	Mooring Ropes (On Drums) Poop (Diameter)	36 Millimeters
10.14.3:	Mooring Ropes (On Drums) Poop (Material)	PP+PE
10.14.4:	Mooring Ropes (On Drums) Poop (Length)	180 Meters
10.14.5:	Mooring Ropes (On Drums) Poop (Breaking Strength)	23 Tonnes

5 OTHER MOORING LINES

10.15.1:	Other Mooring Lines Forecastle (Number)	2
10.15.2:	Other Mooring Lines Forecastle (Diameter)	36 Millimeters
10.15.3:	Other Mooring Lines Forecastle (Material)	PP+PE
10.15.4:	Other Mooring Lines Forecastle (Length)	180 Meters
10.15.5:	Other Mooring Lines Forecastle (Breaking Strength)	23 Tonnes
10.16.1:	Other Mooring Lines Forward Main Deck (Number)	
10.16.2:	Other Mooring Lines Forward Main Deck (Diameter)	
10.16.3:	Other Mooring Lines Forward Main Deck (Material)	
10.16.4:	Other Mooring Lines Forward Main Deck (Length)	
10.16.5:	Other Mooring Lines Forward Main Deck (Breaking Strength)	
10.17.1:	Other Mooring Lines Aft Main Deck (Number)	
10.17.2:	Other Mooring Lines Aft Main Deck (Diameter)	
10.17.3:	Other Mooring Lines Aft Main Deck (Material)	
10.17.4:	Other Mooring Lines Aft Main Deck (Length)	
10.17.5:	Other Mooring Lines Aft Main Deck (Breaking Strength)	
10.18.1:	Other Mooring Lines Poop (Number)	2
10.18.2:	Other Mooring Lines Poop (Diameter)	36 Millimeters
10.18.3:	Other Mooring Lines Poop (Material)	PP+PE
10.18.4:	Other Mooring Lines Poop (Length)	180 Meters
10.18.5:	Other Mooring Lines Poop (Breaking Strength)	23 Tonnes

6 SPARE MOORING WIRES

10.19.1:	Spare Mooring Wires (Identity 1)	Not applicable
10.19.2:	Number (Identity 1)	
10.19.3:	Diameter (Identity 1)	
10.19.4:	Material (Identity 1)	
10.19.5:	Length (Identity 1)	
10.19.6:	Breaking Strength (Identity 1)	
10.19.1.1:	Spare Mooring Wires (Identity 2)	
10.19.1.2:	Number (Identity 2)	
10.19.1.3:	Diameter (Identity 2)	
10.19.1.4:	Material (Identity 2)	
10.19.1.5:	Length (Identity 2)	
10.19.1.6:	Breaking Strength (Identity 2)	

7 SPARE MOORING ROPES

10.20.1:	Spare Mooring Ropes (Identity 1)	FOR TUG'S LINE
10.20.2:	Number (Identity 1)	2
10.20.3:	Diameter (Identity 1)	40 Millimeters
10.20.4:	Material (Identity 1)	PP+PE
10.20.5:	Length (Identity 1)	180 Meters
10.20.6:	Breaking Strength (Identity 1)	32 Tonnes
10.20.1.1:	Spare Mooring Ropes (Identity 2)	FOR TOWING

10.20.1.2:	Number (Identity 2)	1
10.20.1.3:	Diameter (Identity 2)	56 Millimeters
10.20.1.4:	Material (Identity 2)	PP+PE
10.20.1.5:	Length (Identity 2)	200 Meters
10.20.1.6:	Breaking Strength (Identity 2)	35 Tonnes

8 SPARE MOORING TAILS

10.21.1:	Spare Mooring Tails (Identity 1)	Not applicable
10.21.2:	Number (Identity 1)	
10.21.3:	Diameter (Identity 1)	
10.21.4:	Material (Identity 1)	
10.21.5:	Length (Identity 1)	
10.21.6:	Breaking Strength (Identity 1)	
10.21.1.1:	Spare Mooring Tails (Identity 2)	
10.21.1.2:	Number (Identity 2)	
10.21.1.3:	Diameter (Identity 2)	
10.21.1.4:	Material (Identity 2)	
10.21.1.5:	Length (Identity 2)	
10.21.1.6:	Breaking Strength (Identity 2)	

9 MOORING WINCHES

10.22.1:	Forecastle (Number)	3
10.22.2:	Forecastle (Single Drum or Double Drums)	SINGLE Drums
10.22.3:	Forecastle (Split Drums Y/N)	Yes
10.22.4:	Forecastle (Motive Power)	Hydraulic
10.22.5:	Forecastle (Heaving Power)	
10.22.6:	Forecastle (Brake Capacity)	
10.22.7:	Forecastle (Hauling Speed)	
10.23.1:	Forward Main Deck (Number)	
10.23.2:	Forward Main Deck (Single Drum or Double Drums)	
10.23.3:	Forward Main Deck (Split Drums Y/N)	Not applicable
10.23.4:	Forward Main Deck (Motive Power)	
10.23.5:	Forward Main Deck (Heaving Power)	
10.23.6:	Forward Main Deck (Brake Capacity)	
10.23.7:	Forward Main Deck (Hauling Speed)	
10.24.1:	Aft Main Deck (Number)	
10.24.2:	Aft Main Deck (Single Drum or Double Drums)	
10.24.3:	Aft Main Deck (Split Drums Y/N)	Not applicable
10.24.4:	Aft Main Deck (Motive Power)	
10.24.5:	Aft Main Deck (Heaving Power)	
10.24.6:	Aft Main Deck (Brake Capacity)	
10.24.7:	Aft Main Deck (Hauling Speed)	
10.25.1:	Poop (Number)	2
10.25.2:	Poop (Single Drum or Double Drums)	Double Drums
10.25.3:	Poop (Split Drums Y/N)	Yes

10.25.4:	Poop (Motive Power)	Hydraulic
10.25.5:	Poop (Heaving Power)	
10.25.6:	Poop (Brake Capacity)	
10.25.7:	Poop (Hauling Speed)	
10.26:	What type of winch brakes are fitted?	LINING BAND BRAKES
10.27:	Is brake testing equipment on board?	Yes
10.28:	When were the brakes last tested?	Thursday, 15 May 2008

10 MOORING BITS

10.29:	How many sets of mooring bitts are fitted on forecastle?	9
10.30:	How many sets of mooring bitts are fitted on forward main deck?	4
10.31:	How many sets of mooring bitts are fitted on aft main deck?	4
10.32:	How many sets of mooring bitts are fitted on poop deck?	5
10.33:	Distance of mooring chock for breast/spring lines forward of center of manifold	52 Meters
10.34:	Distance of mooring chock for breast/spring lines aft of center of manifold	49 Meters

11 ANCHORS AND WINDLASS

10.35:	What is the motive power of the windlass?	HYDRAULIC
10.36:	What is the cable diameter?	44 Millimeters
10.37:	Number of shackles - port cable?	8
10.38:	Number of shackles - starboard cable?	9
10.39:	Are bitter end connections to both cables capable of being slipped?	Yes

12 EMERGENCY TOWING ARRANGEMNTS

10.40:	Is the vessel fitted with an Emergency Towing Arrangement? If no, ignore remainder of this section.	No
10.41.1:	Type of system (Forward)	
10.41.2:	Type of system (Aft)	
10.42.1:	Safe Working Load (SWL) of system (Forward)	
10.42.2:	Safe Working Load (SWL) of system (Aft)	
10.43.1:	Is pick-up gear provided? (Forward)	No
10.43.2:	Is pick-up gear provided? (Aft)	No
10.44.1:	Towing pennant length (Forward)	
10.44.2:	Towing pennant length (Aft)	
10.45.1:	Towing pennant diameter (Forward)	
10.45.2:	Towing pennant diameter (Aft)	
10.46.1:	Type of strong point (Smit bracket etc) (Forward)	
10.46.2:	Type of strong point (Smit bracket etc) (Aft)	
10.47.1:	Chafing chain size (Forward)	
10.47.2:	Chafing chain size (Aft)	
10.48.1:	Fairlead size (in format ABCmm x XYZmm) (Forward)	
10.48.2:	Fairlead size (in format ABCmm x XYZmm) (Aft)	
10.49.1:	Is pedestal roller fitted? (Forward)	Not applicable

10.49.2:	Is pedestal roller fitted? (Aft)	Not applicable
10.50.1:	Is vessel provided with towing wire? (Forward)	Not applicable
10.50.2:	Is vessel provided with towing wire? (Aft)	No
10.50.1.1:	If Yes, what is the diameter of towing wire? (Forward)	
10.50.1.2:	If Yes, what is the diameter of towing wire? (Aft)	
10.50.2.1:	If Yes, what is the length of towing wire? (Forward)	
10.50.2.2:	If Yes, what is the length of towing wire? (Aft)	
10.52:	What is the number of bitts in the bow area?	
10.53:	What is the height of the bitts in the bow area?	
10.54:	What is the safe working load of the bitts in the bow area?	
10.55:	What is the distance between bow fairleads and nearest bitts?	
10.56:	Is the bow area clear of any obstructions which would hamper towing connections?	Not applicable

13 ESCORT TUG

10.57:	SWL of closed chock on stern	64 Tonnes
10.58:	SWL of bollard on poopdeck suitable for escort tug	42 Tonnes
10.59:	Are stern chock and bollard capable of towing astern to 90 degrees?	Yes

14 SINGLE POINT MOORING (SPM) EQUIPMENT

10.60:	Does vessel comply with the latest edition of OCIMF 'Recommendations for Equipment Employed in the Mooring of Vessels at Single Point Moorings (SPM)'?	Not applicable
10.61:	Is vessel fitted with chain stopper(s)?	No
10.61.1:	If Yes, how many?	
10.61.2:	If Yes, state type	
10.61.3:	If Yes, what is the Safe Working Load (SWL)?	
10.62:	What is the maximum size chain diameter the bow stopper (s) can handle?	
10.63:	Are closed fairleads of OCIMF recommended size (600mm x 450mm)?	No
10.63.1:	If not, give details of size (in format ABCmm x XYZmm)	
10.64:	If two forward bow fairleads are fitted give distance between them	
10.65:	What is the distance between the bow fairlead and stopper/bracket?	
10.66:	What is the distance from the stopper bracket to roller lead/winch drum?	
10.67:	Is there a direct lead from the bow stopper to the winch drum (not the warping end)?	No
10.68:	Is the winch storage drum capable of safely accommodating 150m X 80mm fibre pick up rope?	No
10.69:	Is the winch storage drum capable of safely accommodating 200m X 80mm fibre pick up rope?	Yes

15 BOW MOORING ARRANGEMENT DIAGRAM

10.70:	Bow Mooring Arrangement Diagram	null

16 MANIFOLD ARRANGEMENT

10.71:	Manifold Arrangement Diagram	null
10.72:	Distance K end of drip tray to center line of deck cleat	Not applicable
10.73:	Distance L spill tray to centre line of bollard	520 Millimeters
10.74:	Distance M length of bollard	620 Millimeters

17 LIFTING EQUIPMENT

10.75:	How many derricks does the vessel have?	
10.75.1:	What is their safe working load (SWL)?	
10.75.2:	Date last tested	Not applicable
10.76:	If cranes are fitted, how many?	1
10.76.1:	What is their safe working load (SWL)?	5 Tonnes
10.76.2:	Date last tested	Thursday, 15 May 2008
10.77:	Is Safe Working Load (SWL) clearly marked on all lifting equipment?	Yes
10.78:	Do the vessel's derricks or cranes reach at least 1 metre outboard of rail?	Yes
10.79:	How many bitts are there on each side of the manifold for tying off submarine hoses?	2

18 OTHER EQUIPMENT

10.80:	Are accommodation ladders arranged to face aft when rigged?	Yes
10.81:	Does vessel have Suez Canal boat davits?	No
10.82:	Does vessel have Suez Canal projector?	No

11 Chapter 11

1 COMMUNICATIONS AND ELECTRONICS

11.1:	Is vessel certified for GMDSS?	Yes
11.2:	What GMDSS areas is the vessel classed for? A1 A2 A3 A4	A1, A2, A3
11.3:	Transponder (SART)	Yes
11.4:	EPIRB	Yes
11.5:	How many VHF radios are fitted on the bridge?	2
11.6:	Is vessel fitted with VHF in the cargo control room (CCR)?	Yes
11.7:	Is the CCR connected to the vessel's internal communication system?	Yes
11.8:	How many intrinsically safe walkie talkies are provided for cargo handling?	8
11.9:	Is vessel fitted with an INMARSAT satellite communications system?	Yes
11.10:	Does vessel carry at least three survival craft two-way radio telephones?	Yes
11.11:	List any other communications equipment carried:	FLEET 77,SSAS
11.12:	Can vessel transmit the helicopter homing signal on 410 KHz?	No

12 Chapter 12

1 MAIN PROPULSION

12.1:	Means of main propulsion	Motor
12.1.1:	If motor state whether two stroke or four stroke	4 Stroke
12.1.2:	If four stroke, state how many engines fitted	1
12.2:	Does vessel have single or twin propellers?	Single
12.3:	Is vessel fitted with fixed or controllable pitch propeller(s)?	Controllable
12.4:	How many boilers are fitted?	2
12.4.1:	What is rated output of boilers?	2 Tonnes/Hour
12.5:	What type of fuel is used for main propulsion?	IFO 380CST
12.6:	Are pressurised fuel pipes double sheathed?	Yes
12.7:	When moored at SBM, is main engine capable of being run astern at low revolutions for extended periods (up to 24 hours continuously)?	Yes
12.8:	Is vessel capable of maintaining speed below 5 Knots?	Yes
12.9:	Is vessel fitted for Unmanned Machinery Space (UMS) operation?	Yes
12.9.1:	Is vessel operated in UMS mode?	Yes

2 THRUSTERS

12.10:	Is vessel fitted with a bow thruster?	Yes
12.10.1:	If Yes, give Brake Horse Power	470 BHP
12.11:	Is vessel fitted with a stern thruster?	No
12.11.1:	If Yes, give Brake Horse Power	Not applicable
12.12:	Is vessel fitted with high angle rudder?	Yes
12.12.1:	If yes, what type	FISH PLATE

3 GENERATORS

12.13:	How many power generators are fitted?	3
12.13.1:	Indicate type of power generator(s)	Diesel
12.14:	What type of fuel is used in the generating plant?	MGO
12.15:	Is vessel fitted with emergency generator or batteries?	Both

4 MAIN ENGINE AIR START COMPRESSORS

12.16:	Number of main engine start compressors	2
12.17:	Operating pressure	30 Bar
12.18:	Motive power of emergency compressor	35 Cu Meter/Hour

5 BUNKERS

12.19.1:	Fuel Oil (Tank Name)	HFO BUNKER P
12.19.2:	Fuel Oil (Capacity)	103 Cu Meters
12.19.3:	Diesel Oil (Tank Name)	MDO BUNKER P
12.19.4:	Diesel Oil (Capacity)	17 Cu Meters
12.19.5:	Gas Oil (Tank Name)	
12.19.6:	Gas Oil (Capacity)	
12.20.1:	Fuel Oil (Tank Name)	HFO BUNKER S
12.20.2:	Fuel Oil (Capacity)	126 Cu Meters
12.20.3:	Diesel Oil (Tank Name)	MDO SETTL.S
12.20.4:	Diesel Oil (Capacity)	13 Cu Meters

12.20.5:	Gas Oil (Tank Name)	
12.20.6:	Gas Oil (Capacity)	
12.21.1:	Fuel Oil (Tank Name)	HFO SETT.1S
12.21.2:	Fuel Oil (Capacity)	15 Cu Meters
12.21.3:	Diesel Oil (Tank Name)	M.D.O SERV.1S
12.21.4:	Diesel Oil (Capacity)	11 Cu Meters
12.21.5:	Gas Oil (Tank Name)	
12.21.6:	Gas Oil (Capacity)	
12.22.1:	Fuel Oil (Tank Name)	SETTL.2S (LS)
12.22.2:	Fuel Oil (Capacity)	8 Cu Meters
12.22.3:	Diesel Oil (Tank Name)	MDO SERV.2S
12.22.4:	Diesel Oil (Capacity)	8 Cu Meters
12.22.5:	Gas Oil (Tank Name)	
12.22.6:	Gas Oil (Capacity)	
12.23.1:	Fuel Oil (Tank Name)	HFO SERV.1S
12.23.2:	Fuel Oil (Capacity)	9 Cu Meters
12.23.3:	Diesel Oil (Tank Name)	EM.GENERATOR
12.23.4:	Diesel Oil (Capacity)	9 Cu Meters
12.23.5:	Gas Oil (Tank Name)	
12.23.6:	Gas Oil (Capacity)	
12.24.1:	Fuel Oil (Tank Name)	SERV.2S (LS)
12.24.2:	Fuel Oil (Capacity)	9 Cu Meters
12.24.3:	Diesel Oil (Tank Name)	MDO BOILER SERV.S
12.24.4:	Diesel Oil (Capacity)	2 Cu Meters
12.24.5:	Gas Oil (Tank Name)	
12.24.6:	Gas Oil (Capacity)	
12.25.1:	Fuel Oil (Tank Name)	HFO BOILER SERV.P
12.25.2:	Fuel Oil (Capacity)	7 Cu Meters
12.25.3:	Diesel Oil (Tank Name)	
12.25.4:	Diesel Oil (Capacity)	
12.25.5:	Gas Oil (Tank Name)	
12.25.6:	Gas Oil (Capacity)	

6 STEERING GEAR

12.26:	What type of steering gear fitted?	FISH PLATE
12.27:	How many motorized hydraulic pumps or motors fitted?	2
12.28:	How many telemotors fitted?	2
12.29:	Is an emergency rudder arrest/rudder control fitted?	Yes

7 ANTI-POLLUTION

12.30:	Is an engine-room bilge high level alarm fitted?	Yes
12.31:	Is a pump room bilge high level alarm fitted?	Yes
12.32:	Is there a permanently installed system for the disposal of residues from the machinery space sludge tank to shore?	Yes
12.33:	Are there facilities on board to incinerate machinery space	Yes

	sludge?	

13 Chapter 13

1 SHIP TO SHIP TRANSFER

13.1:	Does vessel comply with recommendations contained in OCIMF/ICS Ship To Ship Transfer Guide (Petroleum)?	Yes
13.2:	Are at least 7 ratings available to assist with mooring operations?	Yes
13.3:	What is Safe Working Load (SWL) of bitts in the manifold area?	12 Tonnes
13.4:	Are manifold bitts at least 35 metres away from the breastlines leading fore and aft?	Yes
13.5:	What is maximum outreach of vessel's cranes or derricks outboard of the ship's side?	
13.6:	Are four (4) 200m x 40mm messenger lines available for Ship-To-Ship (STS) mooring operations?	No
13.7:	Are there two (2) closed chocks with associated bollards and leads to winches located within 35 metres forward and aft of the centre of the cargo manifold?	Yes

14 Chapter 14

1 CHEMICAL CARRIER INFORMATION

14.1:	In the case of a Chemical Carrier carrying oil, does the vessel comply fully with the requirements of MARPOL as per Section 8 of the IOPP Supplement (Form B)?	Yes
14.2:	Is vessel equipped with an emergency portable cargo pump?	Yes
14.3:	Are independent high level alarms fitted?	Yes
14.4:	Is a tank overflow control system fitted?	No
14.4.1:	Are these also fitted to deck tanks?	No
14.5:	Are there cargo tank filling restrictions?	No
14.5.1:	If yes	
14.5.2:	Filling restrictions are	Cargo Density Max.has to be 1.54 t/cbm.Max Load rate for each COT is 300 m3/hr and filling volume must be restricted by max.volume expansion of CGO due to heating max disc.300 Total Max.1800 m3/hr
14.6:	Is the ship fitted with a fixed remote reading temperature system?	Yes
14.7:	Is the ship fitted with a fixed remote pressure gauging equipment?	Yes
14.8:	Specify other cargo measurement equipment available	3 set & 1 set of closed sampling & dipping device.
14.9:	Is an Efficient Stripping System fitted?	Yes
14.9.1:	Are independent stripping lines fitted?	Yes
14.9.2:	What is the material of stripping lines?	SS
14.9.3:	What is the diameter of the stripping lines?	19 Millimeters

2 IGS

14.10.1:	(IGS) Composition of gas supplied by	Oil Fired Generator
14.10.2:	Nitrogen%	84 Percent
14.10.3:	Carbon Dioxide %	14 Percent

14.10.4:	Oxygen %	2 Percent
14.10.5:	Sulphur Dioxide %	0 Percent
14.10.6:	Carbon Monoxide %	
14.10.7:	Oxides of Nitrogen %	
14.10.8:	Dew Point degrees Celsius	
14.11.1:	(IGS) Composition of gas supplied by	
14.11.2:	Nitrogen%	
14.11.3:	Carbon Dioxide %	
14.11.4:	Oxygen %	
14.11.5:	Sulphur Dioxide %	
14.11.6:	Carbon Monoxide %	
14.11.7:	Oxides of Nitrgen %	
14.11.8:	Dew Point degrees Celsius	
14.12:	Is Cargo Tank Drier fitted?	Yes
14.12.1:	If yes, manufacturer name	
14.12.2:	Capacity	
14.13:	Is bottled Nitrogen available for deck use?	Yes
14.14:	Is steam available on deck?	Yes

3 TANK CONDITIONING

14.15:	Is there a fixed ventilation system?	Yes
14.15.1:	What is the Total capacity?	12000 Cu Meter/Hour
14.16:	Is the fixed ventilation system fitted with a dehumidifier ?	No
14.16.1:	What is the Total capacity?	1200 Cu Meter/Hour
14.17:	Is there independent piping?	Yes
14.17.1:	Through cargo lines	Yes
14.17.2:	Portable fans	Yes
14.17.3:	Number:	1
14.17.4:	Type:	WATER DRIVEN
14.17.5:	Capacity (one)	7580 Cu Meter/Hour
14.18:	Are there gas freeing stand pipes?	No
14.18.1:	Portable:	Not applicable
14.18.2:	Fixed	Not applicable

4 SAFETY

14.19:	Is there Protective equipment for the protection of crew members available as per IBC 14.1.1 / BCH 3.16.1.?	Yes
14.20:	When required by the Chemical Code, is respiratory and eye protection for every person on board available for emergency escape purposes?	Yes
14.21:	When required by the Chemical Code, is there on board at least three sets of personnel protection safety equipment (IBC 14.2.1 / BCH 3.16)?	Yes
14.22:	Is an Oxygen resuscitator available on board?	Yes
14.23:	Are there at least two decontamination showers available on deck?	Yes

5 CARGO AND OTHER MANIFOLDS

14.24:	Total number of manifold connections per side	
14.24.1.1:	Number (Port)	12
14.24.1.2:	Size (Port)	150 Millimeters
14.24.2.1:	Number (Starboard)	2
14.24.2.2:	Size (Starboard)	250 Millimeters
14.25:	Designed Max. loading rate	1800 Cu Meter/Hour
14.26:	Height of cargo vapour connections above keel	10 Meters
14.27:	Located on both sides?	Yes
14.28:	Is there an additional connection to cargo system on deck?	No
14.28.1:	If yes, position (distance from bow)	

6 CARGO AND OTHER MANIFOLD DIAGRAM

14.29:	Cargo and Other Manifold Diagram	null
14.30:	Dimension A	1620 Millimeters
14.31:	Dimension B	3650 Millimeters
14.32:	Dimension C	500 Millimeters
14.33:	Dimension D	596 Millimeters
14.34:	Dimension E	1480 Millimeters
14.35:	Dimension a	1064 Millimeters
14.36:	Dimension b	350 Millimeters
14.37:	Dimension x	1064 Millimeters
14.38:	Dimension y	350 Millimeters
14.39:	Dimension z	0 Millimeters
14.40:	Dimension i	350 Meters
14.41:	Dimension ii	0 Millimeters
14.42:	Dimension iii	1176 Millimeters

7 CARGO TANK PARTICULARS

14.43.1:	TANK NUMBER	NO.1(P)
14.43.2:	TANK LOCATION	Wings
14.43.3:	IMO TYPE	2
14.43.4:	CAPACITY 100%	459 Cu Meters
14.43.5:	MAX. LOAD RATE	300 Cu Meter/Hour
14.43.6:	MAX. TANK PRESSURE	8 Bar
14.43.7:	MAX. VENTING CAPACITY	400 Cu Meter/Hour
14.43.8:	PRESSURE MONITOR	No
14.43.9:	CARGO PUMP CAPACITY	300 Cu Meter/Hour
14.43.10:	STRIPPED ROB	51 Litres
14.43.11:	HEATING MAX. TEMP	80 Degrees C
14.43.12:	COOLING MIN. TEMP	
14.43.13:	CONSTRUCTION MATERIAL OR COATING	PR
14.43.14:	COATING DATE	
14.43.15:	HIGH LEVEL ALARM TYPE	Float
14.43.16:	HI/HI LEVEL ALARM TYPE	Float
14.43.17:	LEVEL GAUGE TYPE	F

14.43.18:	VAPOUR LOCKS DIAMETER	51 Millimeters
14.43.19:	CLOSED SAMPLE TYPE	MMC
14.44.1:	TANK NUMBER	NO.1(S)
14.44.2:	TANK LOCATION	Wings
14.44.3:	IMO TYPE	2
14.44.4:	CAPACITY 100%	463 Cu Meters
14.44.5:	MAX. LOAD RATE	300 Cu Meter/Hour
14.44.6:	MAX. TANK PRESSURE	8 Bar
14.44.7:	MAX. VENTING CAPACITY	400 Cu Meter/Hour
14.44.8:	PRESSURE MONITOR	Yes
14.44.9:	CARGO PUMP CAPACITY	300 Cu Meter/Hour
14.44.10:	STRIPPED ROB	51 Litres
14.44.11:	HEATING MAX. TEMP	80 Degrees C
14.44.12:	COOLING MIN. TEMP	
14.44.13:	CONSTRUCTION MATERIAL OR COATING	PR
14.44.14:	COATING DATE	
14.44.15:	HIGH LEVEL ALARM TYPE	Float
14.44.16:	HI/HI LEVEL ALARM TYPE	Float
14.44.17:	LEVEL GAUGE TYPE	R
14.44.18:	VAPOUR LOCKS DIAMETER	51 Millimeters
14.44.19:	CLOSED SAMPLE TYPE	MMC
14.45.1:	TANK NUMBER	NO.2(P)
14.45.2:	TANK LOCATION	Wings
14.45.3:	IMO TYPE	2
14.45.4:	CAPACITY 100%	597 Cu Meters
14.45.5:	MAX. LOAD RATE	300 Cu Meter/Hour
14.45.6:	MAX. TANK PRESSURE	8 Bar
14.45.7:	MAX. VENTING CAPACITY	400 Cu Meter/Hour
14.45.8:	PRESSURE MONITOR	No
14.45.9:	CARGO PUMP CAPACITY	300 Cu Meter/Hour
14.45.10:	STRIPPED ROB	69 Litres
14.45.11:	HEATING MAX. TEMP	80 Degrees C
14.45.12:	COOLING MIN. TEMP	
14.45.13:	CONSTRUCTION MATERIAL OR COATING	PR
14.45.14:	COATING DATE	
14.45.15:	HIGH LEVEL ALARM TYPE	Float
14.45.16:	HI/HI LEVEL ALARM TYPE	Float
14.45.17:	LEVEL GAUGE TYPE	R
14.45.18:	VAPOUR LOCKS DIAMETER	51 Millimeters
14.45.19:	CLOSED SAMPLE TYPE	MMC
14.46.1:	TANK NUMBER	NO.2(S)
14.46.2:	TANK LOCATION	Wings
14.46.3:	IMO TYPE	2

14.46.4:	CAPACITY 100%	594 Cu Meters
14.46.5:	MAX. LOAD RATE	300 Cu Meter/Hour
14.46.6:	MAX. TANK PRESSURE	8 Bar
14.46.7:	MAX. VENTING CAPACITY	400 Cu Meter/Hour
14.46.8:	PRESSURE MONITOR	Yes
14.46.9:	CARGO PUMP CAPACITY	300 Cu Meter/Hour
14.46.10:	STRIPPED ROB	69 Litres
14.46.11:	HEATING MAX. TEMP	80 Degrees C
14.46.12:	COOLING MIN. TEMP	
14.46.13:	CONSTRUCTION MATERIAL OR COATING	PR
14.46.14:	COATING DATE	
14.46.15:	HIGH LEVEL ALARM TYPE	Float
14.46.16:	HI/HI LEVEL ALARM TYPE	Float
14.46.17:	LEVEL GAUGE TYPE	R
14.46.18:	VAPOUR LOCKS DIAMETER	51 Millimeters
14.46.19:	CLOSED SAMPLE TYPE	MMC
14.47.1:	TANK NUMBER	NO.3(P)
14.47.2:	TANK LOCATION	Wings
14.47.3:	IMO TYPE	2
14.47.4:	CAPACITY 100%	670 Cu Meters
14.47.5:	MAX. LOAD RATE	300 Cu Meter/Hour
14.47.6:	MAX. TANK PRESSURE	8 Bar
14.47.7:	MAX. VENTING CAPACITY	400 Cu Meter/Hour
14.47.8:	PRESSURE MONITOR	Yes
14.47.9:	CARGO PUMP CAPACITY	300 Cu Meter/Hour
14.47.10:	STRIPPED ROB	61 Litres
14.47.11:	HEATING MAX. TEMP	80 Degrees C
14.47.12:	COOLING MIN. TEMP	
14.47.13:	CONSTRUCTION MATERIAL OR COATING	PR
14.47.14:	COATING DATE	
14.47.15:	HIGH LEVEL ALARM TYPE	Float
14.47.16:	HI/HI LEVEL ALARM TYPE	Float
14.47.17:	LEVEL GAUGE TYPE	RADAR
14.47.18:	VAPOUR LOCKS DIAMETER	51 Millimeters
14.47.19:	CLOSED SAMPLE TYPE	MMC
14.48.1:	TANK NUMBER	NO.3(S)
14.48.2:	TANK LOCATION	Wings
14.48.3:	IMO TYPE	2
14.48.4:	CAPACITY 100%	669 Cu Meters
14.48.5:	MAX. LOAD RATE	300 Cu Meter/Hour
14.48.6:	MAX. TANK PRESSURE	8 Bar
14.48.7:	MAX. VENTING CAPACITY	400 Cu Meter/Hour
14.48.8:	PRESSURE MONITOR	Yes

14.48.9:	CARGO PUMP CAPACITY	300 Cu Meter/Hour
14.48.10:	STRIPPED ROB	61 Litres
14.48.11:	HEATING MAX. TEMP	80 Degrees C
14.48.12:	COOLING MIN. TEMP	
14.48.13:	CONSTRUCTION MATERIAL OR COATING	PR
14.48.14:	COATING DATE	
14.48.15:	HIGH LEVEL ALARM TYPE	Float
14.48.16:	HI/HI LEVEL ALARM TYPE	Float
14.48.17:	LEVEL GAUGE TYPE	R
14.48.18:	VAPOUR LOCKS DIAMETER	51 Millimeters
14.48.19:	CLOSED SAMPLE TYPE	Not applicable
14.49.1:	TANK NUMBER	NO.4(P)
14.49.2:	TANK LOCATION	Wings
14.49.3:	IMO TYPE	2
14.49.4:	CAPACITY 100%	672 Cu Meters
14.49.5:	MAX. LOAD RATE	300 Cu Meter/Hour
14.49.6:	MAX. TANK PRESSURE	8 Bar
14.49.7:	MAX. VENTING CAPACITY	400 Cu Meter/Hour
14.49.8:	PRESSURE MONITOR	Yes
14.49.9:	CARGO PUMP CAPACITY	300 Cu Meter/Hour
14.49.10:	STRIPPED ROB	65 Litres
14.49.11:	HEATING MAX. TEMP	80 Degrees C
14.49.12:	COOLING MIN. TEMP	
14.49.13:	CONSTRUCTION MATERIAL OR COATING	PR
14.49.14:	COATING DATE	
14.49.15:	HIGH LEVEL ALARM TYPE	Float
14.49.16:	HI/HI LEVEL ALARM TYPE	Float
14.49.17:	LEVEL GAUGE TYPE	R
14.49.18:	VAPOUR LOCKS DIAMETER	51 Millimeters
14.49.19:	CLOSED SAMPLE TYPE	MMC
14.50.1:	TANK NUMBER	NO.4(S)
14.50.2:	TANK LOCATION	Wings
14.50.3:	IMO TYPE	2
14.50.4:	CAPACITY 100%	670 Cu Meters
14.50.5:	MAX. LOAD RATE	300 Cu Meter/Hour
14.50.6:	MAX. TANK PRESSURE	8 Bar
14.50.7:	MAX. VENTING CAPACITY	400 Cu Meter/Hour
14.50.8:	PRESSURE MONITOR	Yes
14.50.9:	CARGO PUMP CAPACITY	300 Cu Meter/Hour
14.50.10:	STRIPPED ROB	65 Litres
14.50.11:	HEATING MAX. TEMP	80 Degrees C
14.50.12:	COOLING MIN. TEMP	
14.50.13:	CONSTRUCTION MATERIAL OR COATING	PR

14.50.14:	COATING DATE	
14.50.15:	HIGH LEVEL ALARM TYPE	Float
14.50.16:	HI/HI LEVEL ALARM TYPE	Float
14.50.17:	LEVEL GAUGE TYPE	R
14.50.18:	VAPOUR LOCKS DIAMETER	51 Millimeters
14.50.19:	CLOSED SAMPLE TYPE	MMC
14.51.1:	TANK NUMBER	NO.5(P)
14.51.2:	TANK LOCATION	Wings
14.51.3:	IMO TYPE	2
14.51.4:	CAPACITY 100%	670 Cu Meters
14.51.5:	MAX. LOAD RATE	300 Cu Meter/Hour
14.51.6:	MAX. TANK PRESSURE	8 Bar
14.51.7:	MAX. VENTING CAPACITY	400 Cu Meter/Hour
14.51.8:	PRESSURE MONITOR	Yes
14.51.9:	CARGO PUMP CAPACITY	300 Cu Meter/Hour
14.51.10:	STRIPPED ROB	70 Litres
14.51.11:	HEATING MAX. TEMP	80 Degrees C
14.51.12:	COOLING MIN. TEMP	
14.51.13:	CONSTRUCTION MATERIAL OR COATING	PR
14.51.14:	COATING DATE	
14.51.15:	HIGH LEVEL ALARM TYPE	Float
14.51.16:	HI/HI LEVEL ALARM TYPE	Float
14.51.17:	LEVEL GAUGE TYPE	R
14.51.18:	VAPOUR LOCKS DIAMETER	51 Millimeters
14.51.19:	CLOSED SAMPLE TYPE	YES
14.52.1:	TANK NUMBER	NO.5(S)
14.52.2:	TANK LOCATION	Wings
14.52.3:	IMO TYPE	2
14.52.4:	CAPACITY 100%	668 Cu Meters
14.52.5:	MAX. LOAD RATE	300 Cu Meter/Hour
14.52.6:	MAX. TANK PRESSURE	8 Bar
14.52.7:	MAX. VENTING CAPACITY	400 Cu Meter/Hour
14.52.8:	PRESSURE MONITOR	Yes
14.52.9:	CARGO PUMP CAPACITY	300 Cu Meter/Hour
14.52.10:	STRIPPED ROB	70 Litres
14.52.11:	HEATING MAX. TEMP	80 Degrees C
14.52.12:	COOLING MIN. TEMP	
14.52.13:	CONSTRUCTION MATERIAL OR COATING	PR
14.52.14:	COATING DATE	
14.52.15:	HIGH LEVEL ALARM TYPE	Float
14.52.16:	HI/HI LEVEL ALARM TYPE	Float
14.52.17:	LEVEL GAUGE TYPE	R
14.52.18:	VAPOUR LOCKS DIAMETER	51 Millimeters

14.52.19:	CLOSED SAMPLE TYPE	YES
14.53.1:	TANK NUMBER	NO.6(P)
14.53.2:	TANK LOCATION	Wings
14.53.3:	IMO TYPE	2
14.53.4:	CAPACITY 100%	548 Cu Meters
14.53.5:	MAX. LOAD RATE	300 Cu Meter/Hour
14.53.6:	MAX. TANK PRESSURE	8 Bar
14.53.7:	MAX. VENTING CAPACITY	400 Cu Meter/Hour
14.53.8:	PRESSURE MONITOR	Yes
14.53.9:	CARGO PUMP CAPACITY	300 Cu Meter/Hour
14.53.10:	STRIPPED ROB	46 Litres
14.53.11:	HEATING MAX. TEMP	80 Degrees C
14.53.12:	COOLING MIN. TEMP	
14.53.13:	CONSTRUCTION MATERIAL OR COATING	PR
14.53.14:	COATING DATE	
14.53.15:	HIGH LEVEL ALARM TYPE	Float
14.53.16:	HI/HI LEVEL ALARM TYPE	Float
14.53.17:	LEVEL GAUGE TYPE	R
14.53.18:	VAPOUR LOCKS DIAMETER	51 Millimeters
14.53.19:	CLOSED SAMPLE TYPE	MMC
14.54.1:	TANK NUMBER	NO.6(S)
14.54.2:	TANK LOCATION	Wings
14.54.3:	IMO TYPE	2
14.54.4:	CAPACITY 100%	551 Cu Meters
14.54.5:	MAX. LOAD RATE	300 Cu Meter/Hour
14.54.6:	MAX. TANK PRESSURE	8 Bar
14.54.7:	MAX. VENTING CAPACITY	400 Cu Meter/Hour
14.54.8:	PRESSURE MONITOR	Yes
14.54.9:	CARGO PUMP CAPACITY	300 Cu Meter/Hour
14.54.10:	STRIPPED ROB	46 Litres
14.54.11:	HEATING MAX. TEMP	80 Degrees C
14.54.12:	COOLING MIN. TEMP	
14.54.13:	CONSTRUCTION MATERIAL OR COATING	PR
14.54.14:	COATING DATE	
14.54.15:	HIGH LEVEL ALARM TYPE	Float
14.54.16:	HI/HI LEVEL ALARM TYPE	Float
14.54.17:	LEVEL GAUGE TYPE	R
14.54.18:	VAPOUR LOCKS DIAMETER	51 Millimeters
14.54.19:	CLOSED SAMPLE TYPE	MMC
14.55.1:	TANK NUMBER	SLOP (P)
14.55.2:	TANK LOCATION	Outer
14.55.3:	IMO TYPE	2
14.55.4:	CAPACITY 100%	70 Cu Meters

14.55.5:	MAX. LOAD RATE	100 Cu Meter/Hour
14.55.6:	MAX. TANK PRESSURE	8 Bar
14.55.7:	MAX. VENTING CAPACITY	400 Cu Meter/Hour
14.55.8:	PRESSURE MONITOR	Yes
14.55.9:	CARGO PUMP CAPACITY	50 Cu Meter/Hour
14.55.10:	STRIPPED ROB	5 Litres
14.55.11:	HEATING MAX. TEMP	80 Degrees C
14.55.12:	COOLING MIN. TEMP	
14.55.13:	CONSTRUCTION MATERIAL OR COATING	PR
14.55.14:	COATING DATE	
14.55.15:	HIGH LEVEL ALARM TYPE	Float
14.55.16:	HI/HI LEVEL ALARM TYPE	Float
14.55.17:	LEVEL GAUGE TYPE	R
14.55.18:	VAPOUR LOCKS DIAMETER	51 Millimeters
14.55.19:	CLOSED SAMPLE TYPE	MMC
14.56.1:	TANK NUMBER	SLOP(S)
14.56.2:	TANK LOCATION	Outer
14.56.3:	IMO TYPE	2
14.56.4:	CAPACITY 100%	70 Cu Meters
14.56.5:	MAX. LOAD RATE	100 Cu Meter/Hour
14.56.6:	MAX. TANK PRESSURE	8 Bar
14.56.7:	MAX. VENTING CAPACITY	50 Cu Meter/Hour
14.56.8:	PRESSURE MONITOR	Yes
14.56.9:	CARGO PUMP CAPACITY	50 Cu Meter/Hour
14.56.10:	STRIPPED ROB	5 Litres
14.56.11:	HEATING MAX. TEMP	80 Degrees C
14.56.12:	COOLING MIN. TEMP	
14.56.13:	CONSTRUCTION MATERIAL OR COATING	PR
14.56.14:	COATING DATE	
14.56.15:	HIGH LEVEL ALARM TYPE	Float
14.56.16:	HI/HI LEVEL ALARM TYPE	Float
14.56.17:	LEVEL GAUGE TYPE	R
14.56.18:	VAPOUR LOCKS DIAMETER	51 Millimeters
14.56.19:	CLOSED SAMPLE TYPE	MMC
14.57.1:	TANK NUMBER	
14.57.2:	TANK LOCATION	
14.57.3:	IMO TYPE	
14.57.4:	CAPACITY 100%	
14.57.5:	MAX. LOAD RATE	
14.57.6:	MAX. TANK PRESSURE	
14.57.7:	MAX. VENTING CAPACITY	
14.57.8:	PRESSURE MONITOR	No
14.57.9:	CARGO PUMP CAPACITY	

14.57.10: STRIPPED ROB

14.57.11: HEATING MAX. TEMP

14.57.12: COOLING MIN. TEMP

14.57.13: CONSTRUCTION MATERIAL OR COATING

14.57.14: COATING DATE

14.57.15: HIGH LEVEL ALARM TYPE

14.57.16: HI/HI LEVEL ALARM TYPE

14.57.17: LEVEL GAUGE TYPE

14.57.18: VAPOUR LOCKS DIAMETER

14.57.19: CLOSED SAMPLE TYPE

14.58.1: TANK NUMBER

14.58.2: TANK LOCATION

14.58.3: IMO TYPE

14.58.4: CAPACITY 100%

14.58.5: MAX. LOAD RATE

14.58.6: MAX. TANK PRESSURE

14.58.7: MAX. VENTING CAPACITY

14.58.8: PRESSURE MONITOR

14.58.9: CARGO PUMP CAPACITY

14.58.10: STRIPPED ROB

14.58.11: HEATING MAX. TEMP

14.58.12: COOLING MIN. TEMP

14.58.13: CONSTRUCTION MATERIAL OR COATING

14.58.14: COATING DATE

14.58.15: HIGH LEVEL ALARM TYPE

14.58.16: HI/HI LEVEL ALARM TYPE

14.58.17: LEVEL GAUGE TYPE

14.58.18: VAPOUR LOCKS DIAMETER

14.58.19: CLOSED SAMPLE TYPE

14.59.1: TANK NUMBER

14.59.2: TANK LOCATION

14.59.3: IMO TYPE

14.59.4: CAPACITY 100%

14.59.5: MAX. LOAD RATE

14.59.6: MAX. TANK PRESSURE

14.59.7: MAX. VENTING CAPACITY

14.59.8: PRESSURE MONITOR

14.59.9: CARGO PUMP CAPACITY

14.59.10: STRIPPED ROB

14.59.11: HEATING MAX. TEMP

14.59.12: COOLING MIN. TEMP

14.59.13: CONSTRUCTION MATERIAL OR COATING

14.59.14: COATING DATE

14.59.15: HIGH LEVEL ALARM TYPE

14.59.16: HI/HI LEVEL ALARM TYPE

14.59.17: LEVEL GAUGE TYPE

14.59.18: VAPOUR LOCKS DIAMETER

14.59.19: CLOSED SAMPLE TYPE

14.60.1: TANK NUMBER

14.60.2: TANK LOCATION

14.60.3: IMO TYPE

14.60.4: CAPACITY 100%

14.60.5: MAX. LOAD RATE

14.60.6: MAX. TANK PRESSURE

14.60.7: MAX. VENTING CAPACITY

14.60.8: PRESSURE MONITOR

14.60.9: CARGO PUMP CAPACITY

14.60.10: STRIPPED ROB

14.60.11: HEATING MAX. TEMP

14.60.12: COOLING MIN. TEMP

14.60.13: CONSTRUCTION MATERIAL OR COATING

14.60.14: COATING DATE

14.60.15: HIGH LEVEL ALARM TYPE

14.60.16: HI/HI LEVEL ALARM TYPE

14.60.17: LEVEL GAUGE TYPE

14.60.18: VAPOUR LOCKS DIAMETER

14.60.19: CLOSED SAMPLE TYPE

14.61.1: TANK NUMBER

14.61.2: TANK LOCATION

14.61.3: IMO TYPE

14.61.4: CAPACITY 100%

14.61.5: MAX. LOAD RATE

14.61.6: MAX. TANK PRESSURE

14.61.7: MAX. VENTING CAPACITY

14.61.8: PRESSURE MONITOR

14.61.9: CARGO PUMP CAPACITY

14.61.10: STRIPPED ROB

14.61.11: HEATING MAX. TEMP

14.61.12: COOLING MIN. TEMP

14.61.13: CONSTRUCTION MATERIAL OR COATING

14.61.14: COATING DATE

14.61.15: HIGH LEVEL ALARM TYPE

14.61.16: HI/HI LEVEL ALARM TYPE

14.61.17: LEVEL GAUGE TYPE

14.61.18: VAPOUR LOCKS DIAMETER

14.61.19: CLOSED SAMPLE TYPE

14.62.1: TANK NUMBER

14.62.2: TANK LOCATION

14.62.3: IMO TYPE

14.62.4: CAPACITY 100%

14.62.5: MAX. LOAD RATE

14.62.6: MAX. TANK PRESSURE

14.62.7: MAX. VENTING CAPACITY

14.62.8: PRESSURE MONITOR

14.62.9: CARGO PUMP CAPACITY

14.62.10: STRIPPED ROB

14.62.11: HEATING MAX. TEMP

14.62.12: COOLING MIN. TEMP

14.62.13: CONSTRUCTION MATERIAL OR COATING

14.62.14: COATING DATE

14.62.15: HIGH LEVEL ALARM TYPE

14.62.16: HI/HI LEVEL ALARM TYPE

14.62.17: LEVEL GAUGE TYPE

14.62.18: VAPOUR LOCKS DIAMETER

14.62.19: CLOSED SAMPLE TYPE

14.63.1: TANK NUMBER

14.63.2: TANK LOCATION

14.63.3: IMO TYPE

14.63.4: CAPACITY 100%

14.63.5: MAX. LOAD RATE

14.63.6: MAX. TANK PRESSURE

14.63.7: MAX. VENTING CAPACITY

14.63.8: PRESSURE MONITOR

14.63.9: CARGO PUMP CAPACITY

14.63.10: STRIPPED ROB

14.63.11: HEATING MAX. TEMP

14.63.12: COOLING MIN. TEMP

14.63.13: CONSTRUCTION MATERIAL OR COATING

14.63.14: COATING DATE

14.63.15: HIGH LEVEL ALARM TYPE

14.63.16: HI/HI LEVEL ALARM TYPE

14.63.17: LEVEL GAUGE TYPE

14.63.18: VAPOUR LOCKS DIAMETER

14.63.19: CLOSED SAMPLE TYPE

14.64.1: TANK NUMBER

14.64.2: TANK LOCATION

14.64.3: IMO TYPE

14.64.4: CAPACITY 100%

14.64.5: MAX. LOAD RATE

14.64.6:	MAX. TANK PRESSURE	
14.64.7:	MAX. VENTING CAPACITY	
14.64.8:	PRESSURE MONITOR	
14.64.9:	CARGO PUMP CAPACITY	
14.64.10:	STRIPPED ROB	
14.64.11:	HEATING MAX. TEMP	
14.64.12:	COOLING MIN. TEMP	
14.64.13:	CONSTRUCTION MATERIAL OR COATING	
14.64.14:	COATING DATE	
14.64.15:	HIGH LEVEL ALARM TYPE	
14.64.16:	HI/HI LEVEL ALARM TYPE	
14.64.17:	LEVEL GAUGE TYPE	
14.64.18:	VAPOUR LOCKS DIAMETER	
14.64.19:	CLOSED SAMPLE TYPE	

8 BALLAST TANK CAPACITIES

14.65.1:	TANK NUMBER	F.P.T
14.65.2:	TANK LOCATION	Center
14.65.3:	COATING DATE	
14.65.4:	CAPACITY	138 Cu Meter/Hour
14.66.1:	TANK NUMBER	NO.1 W.B.T (P)
14.66.2:	TANK LOCATION	Wings
14.66.3:	COATING DATE	
14.66.4:	CAPACITY	132 Cu Meter/Hour
14.67.1:	TANK NUMBER	NO.1 W.B.T (S)
14.67.2:	TANK LOCATION	Wings
14.67.3:	COATING DATE	
14.67.4:	CAPACITY	145 Cu Meter/Hour
14.68.1:	TANK NUMBER	NO.2 W.B.T (P)
14.68.2:	TANK LOCATION	Wings
14.68.3:	COATING DATE	
14.68.4:	CAPACITY	229 Cu Meter/Hour
14.69.1:	TANK NUMBER	NO.2 W.B.T (S)
14.69.2:	TANK LOCATION	Wings
14.69.3:	COATING DATE	
14.69.4:	CAPACITY	217 Cu Meter/Hour
14.70.1:	TANK NUMBER	NO.3 W.B.T (P)
14.70.2:	TANK LOCATION	Wings
14.70.3:	COATING DATE	
14.70.4:	CAPACITY	218 Cu Meter/Hour
14.71.1:	TANK NUMBER	NO.3 W.B.T(S)
14.71.2:	TANK LOCATION	Wings
14.71.3:	COATING DATE	
14.71.4:	CAPACITY	230 Cu Meter/Hour

14.72.1:	TANK NUMBER	NO.4 W.B.T (P)
14.72.2:	TANK LOCATION	Wings
14.72.3:	COATING DATE	
14.72.4:	CAPACITY	236 Cu Meter/Hour
14.73.1:	TANK NUMBER	NO.4 W.B.T (S)
14.73.2:	TANK LOCATION	Wings
14.73.3:	COATING DATE	
14.73.4:	CAPACITY	224 Cu Meter/Hour
14.74.1:	TANK NUMBER	NO.5 W.B.T (P)
14.74.2:	TANK LOCATION	Wings
14.74.3:	COATING DATE	
14.74.4:	CAPACITY	223 Cu Meter/Hour
14.75.1:	TANK NUMBER	NO.5 W.B.T (S)
14.75.2:	TANK LOCATION	Wings
14.75.3:	COATING DATE	
14.75.4:	CAPACITY	235 Cu Meter/Hour
14.76.1:	TANK NUMBER	NO.6 W.B.T (P)
14.76.2:	TANK LOCATION	Wings
14.76.3:	COATING DATE	
14.76.4:	CAPACITY	186 Cu Meter/Hour
14.77.1:	TANK NUMBER	NO.6 W.B.T (S)
14.77.2:	TANK LOCATION	Wings
14.77.3:	COATING DATE	
14.77.4:	CAPACITY	176 Cu Meter/Hour
14.78.1:	TANK NUMBER	NO.7 W.B.T (P)
14.78.2:	TANK LOCATION	Wings
14.78.3:	COATING DATE	
14.78.4:	CAPACITY	96 Cu Meter/Hour
14.79.1:	TANK NUMBER	NO.7 W.B.T (S)
14.79.2:	TANK LOCATION	Wings
14.79.3:	COATING DATE	
14.79.4:	CAPACITY	102 Cu Meter/Hour
14.80.1:	TANK NUMBER	
14.80.2:	TANK LOCATION	
14.80.3:	COATING DATE	
14.80.4:	CAPACITY	
14.81.1:	TANK NUMBER	
14.81.2:	TANK LOCATION	
14.81.3:	COATING DATE	
14.81.4:	CAPACITY	
14.82.1:	TANK NUMBER	
14.82.2:	TANK LOCATION	
14.82.3:	COATING DATE	

14.82.4:	CAPACITY	
14.83.1:	TANK NUMBER	
14.83.2:	TANK LOCATION	
14.83.3:	COATING DATE	
14.83.4:	CAPACITY	
14.84.1:	TANK NUMBER	
14.84.2:	TANK LOCATION	
14.84.3:	COATING DATE	
14.84.4:	CAPACITY	
14.85.1:	TANK NUMBER	
14.85.2:	TANK LOCATION	
14.85.3:	COATING DATE	
14.85.4:	CAPACITY	
14.86:	TOTAL CAPACITY	2787 Cu Meter/Hour

9 TANK CLEANING SYSTEM

14.87:	Is tank cleaning equipment fixed in cargo tanks?	Yes
14.88:	Is portable tank cleaning equipment available?	Yes
14.89:	What is the capacity of one tank cleaning machine?	12 Cu Meter/Hour
14.89.1:	At pressure of:	10 Bar
14.89.2:	Duration of complete cycle	18 Minutes
14.89.3:	Nozzle diameter	8 Millimeters
14.90:	Tank washing pump capacity	49 Cu Meter/Hour
14.91:	Is a washing water heater fitted?	No
14.91.1:	What is the Max. washing water temperature?	80 Degrees C
14.92:	Maximum number of machines operative at pressure above	3
14.93:	Where there is different type of equipment used, what is the capacity and type of equipment?	PORTABLE 15 CUB./HR

15 Chapter 15

1 GAS CARRIER INFORMATION

15.1:	Does vessel have an IOPPC with Form B identifying the vessel as an oil product carrier?	Not applicable
15.2:	Do the Safety Construction and Safety Equipment Certificates identify the vessel as a 'tanker engaged in the trade of carrying oil other than crude oil'?	Not applicable

2 CARGO INFORMATION

15.3:	List products which the ship is Certified to carry	Not applicable

3 TRANSPORT AND CARRIAGE CONDITIONS

15.4:	What is the Minimum allowable tank temperature?	Not applicable
15.5:	What is the Maximum Permissible tank pressure?	
15.6:	Lowest permissible cargo tank pressure	
15.7:	What are the Number of grades that can be loaded/ carried/discharged simultaneously and completely segregated without risk of contamination?	

15.8:	What is the Number of Products that can be conditioned by reliquefaction simultaneously?	
15.9:	State the number of natural segregations (NB: Separation must be by the removal of spools or the insertion of blanks)	
15.10:	Material of Construction of Cargo Piping System	
15.11:	Is Cargo piping system fitted with filters?	
15.11.1:	If yes, can cargo piping filters be by-passed or removed?	
15.12:	Are Expansion loops fitted?	
15.13:	Are liquid cargo lines free of expansion bellows?	
15.14:	Location of Booster pumps	

4 CARGO TANKS

15.15:	What Type and materials of cargo tanks?	Not applicable
15.16:	Maximum allowable relief valve setting	
15.17:	IMO Setting	
15.18:	USCG Setting	
15.19:	Safety valve set pressure - if variable give range of pilot valves	
15.19.1:	If variable give range of pilot valves - from:	
15.19.2:	If variable give range of pilot valves - to:	
15.20:	Maximum Vacuum	
15.21:	Maximum cargo density	
15.22:	Maximum rate of cool down	
15.23:	State any limitations regarding partially filled tanks	
15.24:	State allowable combinations of filled and empty tanks	

5 CARGO TANK CAPACITIES

15.25.1:	Tank 1 Capacity m3 (100%)	Not applicable
15.25.2:	Tank 1 Butane Tonnes	
15.25.3:	Tank 1 Butane degrees C	
15.25.4:	Tank 1 Propane Tonnes	
15.25.5:	Tank 1 Propane degrees C	
15.25.6:	Tank 1 Ammonia Tonnes	
15.25.7:	Tank 1 Ammonia degrees C	
15.25.7.1:	Specify other cargo	
15.25.8:	Tank 1 "other" Tonnes	
15.25.9:	Tank 1 "other" degrees C	
15.25.10:	Tank 1 "other" Tonnes	
15.25.11:	Tank 1 "other" degrees C	
15.26.1:	Tank 2 Capacity m3 (100%)	
15.26.2:	Tank 2 Butane Tonnes	
15.26.3:	Tank 2 Butane degrees C	
15.26.4:	Tank 2 Propane Tonnes	
15.26.5:	Tank 2 Propane degrees C	
15.26.6:	Tank 2 Ammonia Tonnes	
15.26.7:	Tank 2 Ammonia degrees C	

15.26.7.1: Specify other cargo

15.26.8: Tank 2 "other" Tonnes

15.26.9: Tank 2 "other" degrees C

15.26.10: Tank 2 "other" Tonnes

15.26.11: Tank 2 "other" degrees C

15.27.1: Tank 3 Capacity m3 (100%)

15.27.2: Tank 3 Butane Tonnes

15.27.3: Tank 3 Butane degrees C

15.27.4: Tank 3 Propane Tonnes

15.27.5: Tank 3 Propane degrees C

15.27.6: Tank 3 Ammonia Tonnes

15.27.7: Tank 3 Ammonia degrees C

15.27.7.1: Specify other cargo

15.27.8: Tank 3 "other" Tonnes

15.27.9: Tank 3 "other" degrees C

15.27.10: Tank 3 "other" Tonnes

15.27.11: Tank 3 "other" degrees C

15.28.1: Tank 4 Capacity m3 (100%)

15.28.2: Tank 4 Butane Tonnes

15.28.3: Tank 4 Butane degrees C

15.28.4: Tank 4 Propane Tonnes

15.28.5: Tank 4 Propane degrees C

15.28.6: Tank 4 Ammonia Tonnes

15.28.7: Tank 4 Ammonia degrees C

15.28.7.1: Specify other cargo

15.28.8: Tank 4 "other" Tonnes

15.28.9: Tank 4 "other" degrees C

15.28.10: Tank 4 "other" Tonnes

15.28.11: Tank 4 "other" degrees C

15.29.1: Tank 5 Capacity m3 (100%)

15.29.2: Tank 5 Butane Tonnes

15.29.3: Tank 5 Butane degrees C

15.29.4: Tank 5 Propane Tonnes

15.29.5: Tank 5 Propane degrees C

15.29.6: Tank 5 Ammonia Tonnes

15.29.7.1: Specify other cargo

15.29.7: Tank 5 Ammonia degrees C

15.29.8: Tank 5 "other" Tonnes

15.29.9: Tank 5 "other" degrees C

15.29.10: Tank 5 "other" Tonnes

15.29.11: Tank 5 "other" degrees C

15.30.1: Tank 6 Capacity m3 (100%)

15.30.2: Tank 6 Butane Tonnes

15.30.3: Tank 6 Butane degrees C

15.30.4: Tank 6 Propane Tonnes

15.30.5: Tank 6 Propane degrees C

15.30.6: Tank 6 Ammonia Tonnes

15.30.7: Tank 6 Ammonia degrees C

15.30.7.1: Specify other cargo

15.30.8: Tank 6 "other" Tonnes

15.30.9: Tank 6 "other" degrees C

15.30.10: Tank 6 "other" Tonnes

15.30.11: Tank 6 "other" degrees C

15.31.1: Tank 7 Capacity m3 (100%)

15.31.2: Tank 7 Butane Tonnes

15.31.3: Tank 7 Butane degrees C

15.31.4: Tank 7 Propane Tonnes

15.31.5: Tank 7 Propane degrees C

15.31.6: Tank 7 Ammonia Tonnes

15.31.7: Tank 7 Ammonia degrees C

15.31.7.1: Specify other cargo

15.31.8: Tank 7 "other" Tonnes

15.31.9: Tank 7 "other" degrees C

15.31.10: Tank 7 "other" Tonnes

15.31.11: Tank 7 "other" degrees C

15.32.1: Tank 8 Capacity m3 (100%)

15.32.2: Tank 8 Butane Tonnes

15.32.3: Tank 8 Butane degrees C

15.32.4: Tank 8 Propane Tonnes

15.32.5: Tank 8 Propane degrees C

15.32.6: Tank 8 Ammonia Tonnes

15.32.7: Tank 8 Ammonia degrees C

15.32.7.1: Specify other cargo

15.32.8: Tank 8 "other" Tonnes

15.32.9: Tank 8 "other" degrees C

15.32.10: Tank 8 "other" Tonnes

15.32.11: Tank 8 "other" degrees C

15.33: Total Capacity of all tanks (100%)

15.34: Total Capacity of all Butane tanks Tonnes

15.35: Total Capacity of all Propane tanks Tonnes

15.36: Total Capacity of all Ammonia tanks Tonnes

15.37: Total Capacity of all "other" tanks Tonnes

15.38: Total Capacity of all "other" tanks Tonnes

6 LOADING RATES

15.39: From Refrigerated Storage

15.39.1: Butane - Rate (tonnes/hr) with vapor return

15.39.2: Butane - Rate (tonnes/hr) without vapor return

15.39.3: Propane - Rate (tonnes/hr) with vapor return

15.39.4: Propane - Rate (tonnes/hr) without vapor return

15.39.5: Ammonia - Rate (tonnes/hr) with vapor return

15.39.6: Ammonia - Rate (tonnes/hr) without vapor return

15.39.7: "other" - Rate (tonnes/hr) with vapor return

15.39.7.1: Specify other cargo

15.39.8: "other" - Rate (tonnes/hr) without vapor return

15.39.9: "other" - Rate (tonnes/hr) with vapor return

15.39.10: "other" - Rate (tonnes/hr) without vapor return

15.40: From Pressure Storage

15.40.1: Butane 0-30deg C - Rate (tonnes/hr) with vapor return

15.40.2: Butane 0-30deg C - Rate (tonnes/hr) without vapor return

15.40.3: Propane 0 deg C - Rate (tonnes/hr) with vapor return

15.40.4: Propane 0 deg C - Rate (tonnes/hr) without vapor return

15.40.5: Propane 10 deg C - Rate (tonnes/hr) with vapor return

15.40.6: Propane 10 deg C - Rate (tonnes/hr) without vapor return

15.40.7: Propane 20 deg C - Rate (tonnes/hr) with vapor return

15.40.8: Propane 20 deg C - Rate (tonnes/hr) without vapor return

15.40.9: Propane 30 deg C - Rate (tonnes/hr) with vapor return

15.40.10: Propane 30 deg C - Rate (tonnes/hr) without vapor return

15.41: Special remarks

7 DISCHARGING - GENERAL

15.42: Cargo Pumps

15.42.1: Type of Cargo Pumps

15.42.2: Number of pumps per tank

15.42.3: Rate per Pump m3/hr

15.42.4: At Delivery Head mlc

15.42.5: Maximum density kg/m3

15.43: Booster Pump

15.43.1: Type of Booster Pumps

15.43.2: Number of pumps per tank

15.43.3: Rate per Pump m3/hr

15.43.4: At Delivery Head mlc

15.43.5: Maximum density kg/m3

8 DISCHARGE PERFORMANCE

15.44: Full Cargo Discharge Times (using all main pumps)

15.44.1: Fully Refrigerated

15.44.1.1: Hours (Back Press 1 kP/cm2) with vapor return

15.44.1.2: Hours (Back Press 1 kP/cm2) without vapor return

15.44.1.3: Hours (Back Press 5 kP/cm2) with vapor return

15.44.1.4: Hours (Back Press 5 kP/cm2) without vapor return

15.44.1.5: Hours (Back Press 10 kP/cm2) with vapor return

15.44.1.6: Hours (Back Press 10 kP/cm2) without vapor return

15.44.2: Pressurized

15.44.2.1: Hours (Back Press 1 kP/cm2) with vapor return

15.44.2.2: Hours (Back Press 1 kP/cm2) without vapor return

15.44.2.3: Hours (Back Press 5 kP/cm2) with vapor return

15.44.2.4: Hours (Back Press 5 kP/cm2) without vapor return

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15.44.2.5: Hours (Back Press 10 kP/cm2) with vapor return

15.44.2.6: Hours (Back Press 10 kP/cm2) without vapor return

9 UNPUMPABLES

15.45: Tank 1 (m3) Not applicable

15.46: Tank 2 (m3)

15.47: Tank 3 (m3)

15.48: Tank 4 (m3)

15.49: Tank 5 (m3)

15.50: