

OCIMF Vessel Particulars Questionnaire HVPQ4**1 Chapter 1****1 GENERAL INFORMATION**

1.1:	Date this HVPO document completed	Friday, 7 Aug 2009
1.2:	Name of ship	HELLESPONT Centurion
1.3:	LR/IMO Number	9433303
1.4:	Last previous name	Not applicable
1.4.1:	Date of name change	Saturday, 30 May 2009
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	Marshall Island
1.9:	Port of Registry	Majuro
1.10:	If the flag has been changed, what was previous flag?	Not applicable
1.11:	Call sign	V7RN2
1.12:	INMARSAT number	764912217/764912218
1.13:	Ship's fax number	764912219
1.14:	Ship's telex number	453834354-CENT
1.15:	Mobile Phone Number	Not applicable
1.16:	Ship's Email address	ccent@hellesponthammonia.de
1.17:	Type of ship	Chemical
1.18:	Vessel's MMSI No. (Maritime Mobile Selective Call Identity Code)	53809384
1.19:	Type of Hull	Double hull

2 OWNERSHIP AND OPERATION

1.20:	Name of the Registered Owner	MT " Hellespont Centurion" GmbH & Co. KG
1.20.1:	Full address	Kaiser-Wilhelm-Str. 9, D-20355 Hamburg, Germany
1.20.2:	Office telephone number	+49 40 27 86 21 31
1.20.3:	Office telex number	Not applicable
1.20.4:	Office fax number	+ 49 40 27 86 21 30
1.20.5:	Office Email address	managers@hellesponthammonia.de / chemical@hellesponthammonia.de
1.20.6:	Contact person	Capt. Heinrich Braun
1.20.7:	Contact person after hours telephone number	+49 172 99 11 431
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 HAMMONIA GmbH & Co. KG
1.22.1:	Full Address	Kaiser-Wilhelm -Str. 9, D-20355 Hamburg, Germany

1.22.2:	Office telephone number	+49 40 27 86 21 31
1.22.3:	Office telex number	Not applicable
1.22.4:	Office fax number	+49 40 27 86 21 30
1.22.5:	Office Email address	managers@hellesponthammonia.de
1.22.6:	Contact person (Designated Person Ashore)	Capt. Heinrich Braun
1.22.7:	Contact person after hours telephone number	+ 49 172 99 11 431
1.22.8:	Emergency callout number	+49 40 226 25 266
1.22.9:	Emergency callout pager number	
1.22.10:	Contact details for person responsible for oil spill response	Capt. Heinrich Brown
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	16
1.25:	Name of Commercial Operator (if different from Registered Owner)	Hellespont Hammonia GmbH & Co. KG
1.25.1:	Full Address	Kaiser-Wilhelm Str. 9 ,D-20355 Hamburg, Germany
1.25.2:	Office telephone number	+49 40 27 86 21 31
1.25.3:	Office telex number	Not applicable
1.25.4:	Office fax number	+49 40 27 86 21 30
1.25.5:	Office Email address	managers@hellesponthammonia.de/chemical@hellesponthammonia.de
1.25.6:	Contact person	Capt. Matthias Imreke
1.25.7:	Contact person after hours telephone number	+49 172 415 72 71

3 BUILDER

1.26:	Builder	Sekwang Shipbuilding Co. LTD
1.27:	Date of building contract	Friday, 2 Mar 2007
1.28:	Hull number	SK-114
1.29:	Date keel laid	Thursday, 13 Nov 2008
1.30:	Date launched	Tuesday, 14 Apr 2009
1.31:	Date delivered	Friday, 10 Jul 2009
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	American Bureau of Shipping
1.35:	Class Notation	+A1(E) "OIL/CHEMICAL CARRIER,ESP,IMO SHIP TYPE 2,+AMS,VEC-L, CPP,TCM,IGS,+ACCU,UWILD,+BWE,CRC,SPM,POT
1.36:	If Classification society changed, name of previous society	Not applicable
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	Tuesday, 5 Aug 2014
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	Not applicable
1.44:	If ship has Condition Assessment Programme (CAP) rating,	0

what is the latest rating?

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)	144.0 Meters
1.50:	Length between perpendiculars (LBP)	136.0 Meters
1.51:	Extreme breadth	22.627 Meters
1.52:	Moulded breadth	22.60 Meters
1.53:	Moulded depth	12.80 Meters
1.54:	Keel to masthead	43.270 Meters
1.55:	Distance bow to bridge	117.30 Meters
1.56:	Distance bridge front - mid point manifold	38.885 Meters
1.57:	PARALLEL MID-BODY DIAGRAM	Not applicable
1.57.1:	Distance bow to mid-point manifold	78.42 Meters
1.57.2:	Distance stern to mid-point manifold	65.58 Meters
1.57.3:	Parallel body (light ship)	52.188 Meters
1.57.4:	Parallel body, forward to mid-point manifold (light ship)	32.778 Meters
1.57.5:	Parallel body, aft to mid-point manifold (light ship)	19.41 Meters
1.57.6:	Parallel body (normal ballast)	70.626 Meters
1.57.7:	Parallel body, forward to mid-point manifold (normal ballast)	40.778 Meters
1.57.8:	Parallel body, aft to mid-point manifold (normal ballast)	29.848 Meters
1.57.9:	Parallel body at loaded summer deadweight (SDWT)	81 Meters
1.57.10:	Parallel body, forward to mid-point manifold at loaded SDWT	44.965 Meters
1.57.11:	Parallel body, aft to mid-point manifold at loaded SDWT	36.035 Meters
1.58:	Does ship have a bulbous bow?	Yes

6 TONNAGES

1.59:	Net Registered Tonnage	4965 Tonnes
1.60:	Gross Tonnage	11551 Tonnes
1.61:	Suez Tonnage	
1.61.1:	Suez Canal Gross Tonnage (SCGT)	12252.24 Tonnes
1.61.2:	Suez Canal Net Tonnage (SCNT)	9853.25 Tonnes
1.62:	Panama Tonnage	11551 Tonnes

7 LOADLINE INFORMATION

1.63.1:	Summer Freeboard	3.812 Meters
1.63.2:	Summer Draft	9.014 Meters
1.63.3:	Summer Deadweight	16866.348 Tonnes
1.63.4:	Summer Displacement	22495.904 Tonnes
1.64.1:	Winter Freeboard	4.000 Meters
1.64.2:	Winter Draft	8.826 Meters

1.64.3:	Winter Deadweight	16326.526 Tonnes
1.64.4:	Winter Displacement	21956.082 Tonnes
1.65.1:	Tropical Freeboard	3.624 Meters
1.65.2:	Tropical Draft	9.202 Meters
1.65.3:	Tropical Deadweight	17406.702 Tonnes
1.65.4:	Tropical Displacement	23036.258 Tonnes
1.66.1:	Lightship Freeboard	10.257 Meters
1.66.2:	Lightship Draft	2.569 Meters
1.66.3:	Lightship Deadweight	
1.66.4:	Lightship Displacement	5629.556 Tonnes
1.67.1:	Normal Ballast Condition Freeboard	6.602 Meters
1.67.2:	Normal Ballast Condition Draft	6.224 Meters
1.67.3:	Normal Ballast Condition Deadweight	9370.058 Tonnes
1.67.4:	Normal Ballast Condition Displacement	14820.058 Tonnes
1.68.1:	Segregated Ballast Condition Freeboard	7.36 Meters
1.68.2:	Segregated Ballast Condition Draft	5.460 Meters
1.68.3:	Segregated Ballast Condition Deadweight	7129.978 Tonnes
1.68.4:	Segregated Ballast Condition Displacement	12769.710 Tonnes
1.69:	FWA at Summer Draft (Freeboard)	196 Millimeters
1.70:	TPC Immersion at Summer Draft (Freeboard)	28.714 Tonnes
1.71.1:	Draught Fore at normal ballast conditions (Freeboard)	4.725 Meters
1.71.2:	Draught Aft at normal ballast conditions (Draft)	7.944 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?	37.046 Meters

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?	Not applicable
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	90384
2.2.1:	Safety Equipment Certificate (Issued)	Thursday, 6 Aug 2009
2.2.2:	Safety Equipment Certificate (Expires)	Tuesday, 5 Aug 2014
2.2.3:	Safety Equipment Certificate (Last Annual)	Not applicable

2.3.1:	Safety Radio Certificate (Issued)	Thursday, 6 Aug 2009
2.3.2:	Safety Radio Certificate (Expires)	Tuesday, 5 Aug 2014
2.3.3:	Safety Radio Certificate (Last Annual)	Not applicable
2.4.1:	Safety Construction Certificate (Issued)	Thursday, 6 Aug 2009
2.4.2:	Safety Construction Certificate (Expires)	Tuesday, 5 Aug 2014
2.4.3:	Safety Construction Certificate (Last Annual)	Not applicable
2.5.1:	Loadline Certificate (Issued)	Thursday, 6 Aug 2009
2.5.2:	Loadline Certificate (Expires)	Tuesday, 5 Aug 2014
2.5.3:	Loadline Certificate (Last Annual)	Not applicable
2.6.1:	International Oil Pollution Prevention Certificate (IOPPC) (Issued)	Thursday, 6 Aug 2009
2.6.2:	International Oil Pollution Prevention Certificate (IOPPC) (Expires)	Tuesday, 5 Aug 2014
2.6.3:	International Oil Pollution Prevention Certificate (IOPPC) (Last Annual)	Not applicable
2.7:	Type of Oil Tanker as specified by IOPPC Crude/Product (If not an oil tanker, specify)	Product Carrier
2.8.1:	Safety Management Certificate (Issued) (SMC)	Thursday, 6 Aug 2009
2.8.2:	Safety Management Certificate (Expires) (SMC)	Friday, 5 Feb 2010
2.8.3:	Safety Management Certificate (Last Intermediate) (SMC)	Not applicable
2.9.1:	Document of Compliance (Issued) (DOC)	Thursday, 2 Oct 2008
2.9.2:	Document of Compliance (Expires) (DOC)	Tuesday, 1 Oct 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	Friday, 7 Aug 2009
2.13:	Civil Liability Convention Certificate (1969)	Not applicable
2.14:	Civil Liability Convention Certificate (1992)	Saturday, 20 Feb 2010
2.15:	U.S. Certificate of Financial Responsibility	Not applicable
2.16:	Certificate of Fitness (Chemicals)	Tuesday, 5 Aug 2014
2.17:	Certificate of Fitness (Gas)	Not applicable
2.18:	Noxious Liquids Certificate	Not applicable
2.19:	Unattended Machinery Space Certificate (Issued)	Thursday, 6 Aug 2009
2.20:	International Tonnage Certificate (Issued)	Monday, 1 Jun 2009

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	Yes

Sea (COLREGS)

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?	Yes
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) 6

3.1.1: Actual manning (officers) 8

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 str.,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) 7

3.2.1: Actual manning (ratings) 13

3.2.2: List Nationality of Ratings Filipino

3.2.3: Master employed by (Manning Agent) No

3.2.4: Officers employed by (Manning Agent) No

3.2.5: Ratings employed by (Manning Agent) No

3.2.6: Common language used (Manning Agent)

3.2.7: Full name of Manning agent 1 (Ratings) Manila Shipmanagement & Manning

3.2.7.1: Full address Ground floor,Princess Building 104,Esteban str.,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 class within company fleet? Yes
- 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 Safety, Watch Keeping , Survival at Sea,Chemical Safety
- 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) SAURA KEIKI SEISAKUSHO SR-165
- 4.1.3: Magnetic compass (Number of Units) 1
- 4.2.1: Gyro compass Yes
- 4.2.2: Gyro compass (Type) YOKOGAWA MKM 026
- 4.2.3: Gyro compass (Number of Units) 1
- 4.3.1: Gyro Autopilot Yes
- 4.3.2: Gyro Autopilot (Type) YOKOGAWA PT 500
- 4.3.3: Gyro Autopilot (Number of Units) 1
- 4.4.1.1: Radar 1 Yes
- 4.4.1.2: Radar (Type) MARINE RADAR /ARPA FURUNO MODEL FAR 2827 (X-BAND)
- 4.4.1.3: Radar 1 (Number of Units) 1
- 4.4.2.1: Radar 2 Yes
- 4.4.2.2: Radar (Type) MARINE RADAR / ARPA FURUNO MODEL FAR 2837 (S-BAND)
- 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? Yes

	band (3cm/x band)?	
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	Yes
4.7.2:	Radar plotting equipment (Type)	Not applicable
4.7.3:	Radar plotting equipment (Number of Units)	Not applicable
4.8.1:	Are the Radars fitted with ARPA?	Yes
4.8.2:	Type of ARPA	FURUNO FAR 2827 X / FAR 2837S
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	Yes
4.10.2:	Speed/distance indicator (Type)	FURUNO DS-830
4.10.3:	Speed/distance indicator (Number of Units)	1
4.11.1:	Doppler log	Yes
4.11.2:	Doppler log (Type)	FURUNO DS DOPLER SPEED LOG 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)	Not applicable
4.12.3:	Docking approach doppler (Number of Units)	Not applicable
4.13.1:	Rudder angle indicator	Yes
4.13.2:	Rudder angle indicator (Type)	DONG WON TECH CO. TYPE DW-4001 FT SERIAL NUMBER 2090304
4.13.3:	Rudder angle indicator (Number of Units)	3
4.14.1:	RPM indicator	Yes
4.14.2:	RPM indicator (Type)	PROVIDED BY STX
4.14.3:	RPM indicator (Number of Units)	4
4.15.1:	Controllable pitch propeller indicator	No
4.15.2:	Controllable pitch propeller indicator (Type)	Not applicable
4.15.3:	Controllable pitch propeller indicator (Number of Units)	Not applicable
4.16.1:	Bow thruster indicator	Yes
4.16.2:	Bow thruster indicator (Type)	Provided by Framo
4.16.3:	Bow thruster indicator (Number of Units)	3
4.17.1:	Stern Thrust indicator	No
4.17.2:	Stern Thrust indicator (Type)	
4.17.3:	Stern Thrust indicator (Number of Units)	
4.18.1:	Rate of turn indicator	Yes
4.18.2:	Rate of turn indicator (Type)	INCORPORATED IN THE YOKOGAWA AUTOPILOT
4.18.3:	Rate of turn indicator (Number of Units)	2
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-700
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?	No
4.22.2:	Type of GPS installed?	Not applicable
4.22.3:	Number of GPS units installed?	Not applicable
4.23.1:	Is the ship fitted with Differential GPS?	Yes
4.23.2:	Type of Differential GPS installed?	FURUNO GP-150-DUAL
4.23.3:	Number of Differential GPS units installed?	2
4.24.1:	Is there an Electronic Chart Display?	Yes
4.24.2:	Is there an Electronic Chart Display? (Type)	FURUNO RSU-018
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 ?	Yes
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)	Not applicable
4.27.3:	Decca navigator (Number of Units)	Not applicable
4.28.1:	Omega receiver	No
4.28.2:	Omega receiver (Type)	Not applicable
4.28.3:	Omega receiver (Number of Units)	Not applicable
4.29.1:	Loran C receiver	No
4.29.2:	Loran C receiver (Type)	Not applicable
4.29.3:	Loran C receiver (Number of Units)	Not applicable
4.30.1:	Course recorder	Yes
4.30.2:	Course recorder (Type)	YOKOGAWA MKR 101A SERIAL NUMBER 0854
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)	YOKOGAWA PT500
4.31.1.3:	Off - course alarm - gyro (Number of Units)	1
4.31.2.1:	Off - course alarm - magnetic	Yes
4.31.2.2:	Off - course alarm - magnetic (Type)	INCORPORATED IN THE AUTOPILOT PT 500
4.31.2.3:	Off - course alarm - magnetic (Number of Units)	1
4.32.1:	Engine order printer	Yes
4.32.2:	Engine order printer (Type)	STX ENGINE ORDER PRINTER SOP-01
4.32.3:	Engine order printer (Number of Units)	1
4.33.1:	Anemometer	Yes
4.33.2:	Anemometer (Type)	DONG WON TECH CO. MODEL DVA-BF 1
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?	Not applicable
4.40:	Are steering motor controls and engine controls fitted on bridge wings?	No
4.41:	Is bridge equipped with a 'Dead-Man' alarm or equipment?	No

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	Thursday, 6 Aug 2009

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	
5.2.2:	What is diameter of circle provided?	

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?	WATER SPRAY
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)?	CO2 / WATER MIST
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?	Yes
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?	250 Millimeters
6.1.2:	What is maximum vertical height above deck plating at aft thwartships coaming?	920 Millimeters
6.1.3:	How far forward is this height maintained?	4.20 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?	60 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.	Butterfly
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?	Not applicable
6.15:	Are overboard discharges fitted with blanks or alternatively, is there a testing arrangement for the overboard valves?	Yes
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	16.5 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 PHENOLIC EPOXY COATING CMP epicon T-800

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 CMP BANNOH-500

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? Yes

7.6: What type of anodes are used? ZINC

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

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%)

8.3.2:	Centre Tank Number 2 Capacity (98%)	
8.3.3:	Centre Tank Number 3 Capacity (98%)	
8.3.4:	Centre Tank Number 4 Capacity (98%)	
8.3.5:	Centre Tank Number 5 Capacity (98%)	
8.3.6:	Centre Tank Number 6 Capacity (98%)	
8.3.7:	Centre Tank Number 7 Capacity (98%)	
8.3.8:	Centre Tank Number 8 Capacity (98%)	
8.3.9:	Centre Tank Number 9 Capacity (98%)	
8.3.10:	Centre Tank Number 10 Capacity (98%)	
8.3.11:	Centre Tank Number 11 Capacity (98%)	
8.3.12:	Centre Tank Number 12 Capacity (98%)	
8.3.13:	Centre Tank Number 13 Capacity (98%)	
8.3.14:	Centre Tank Number 14 Capacity (98%)	
8.3.15:	Centre Tank Number 15 Capacity (98%)	
8.3.16:	Wings (P & S combined) Number 1 Capacity (98%)	2228.816 Cu Meters
8.3.17:	Wings (P & S combined) Number 2 Capacity (98%)	2578.322 Cu Meters
8.3.18:	Wings (P & S combined) Number 3 Capacity (98%)	2685.884 Cu Meters
8.3.19:	Wings (P & S combined) Number 4 Capacity (98%)	2685.275 Cu Meters
8.3.20:	Wings (P & S combined) Number 5 Capacity (98%)	2684.848 Cu Meters
8.3.21:	Wings (P & S combined) Number 6 Capacity (98%)	2684.994 Cu Meters
8.3.22:	Wings (P & S combined) Number 7 Capacity (98%)	2650.124 Cu Meters
8.3.23:	Wings (P & S combined) Number 8 Capacity (98%)	
8.3.24:	Wings (P & S combined) Number 9 Capacity (98%)	
8.3.25:	Wings (P & S combined) Number 10 Capacity (98%)	
8.3.26:	Wings (P & S combined) Number 11 Capacity (98%)	
8.3.27:	Wings (P & S combined) Number 12 Capacity (98%)	
8.3.28:	Wings (P & S combined) Number 13 Capacity (98%)	
8.3.29:	Wings (P & S combined) Number 14 Capacity (98%)	
8.3.30:	Wings (P & S combined) Number 15 Capacity (98%)	
8.4:	Centre Tank Total Capacity (98%)	
8.5:	Slops 1st Tank Capacity (98%)	496.003 Cu Meters
8.5.1:	Slops 2nd Tank Capacity (98%)	496.023 Cu Meters
8.6:	Wings (P & S combined) Total Capacity (98%)	992.026 Cu Meters
8.7:	Slops 3rd tank Capacity (98%)	
8.7.1:	Slops 4th tank Capacity (98%)	
8.8:	Centre Tank Total Capacity (98%)	
8.9:	Wings (P & S combined) Total Capacity (98%)	18198.263 Cu Meters
8.10:	Grand Total Capacity (98%)	19190.289 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)	571.321 Cu Meters
8.11.2.1:	Tank Number 2 (Identity)	1 P+S WBT

8.11.2.2:	Tank Number 2 (Capacity)	1279.489 Cu Meters
8.11.3.1:	Tank Number 3 (Identity)	2 P+S WBT
8.11.3.2:	Tank Number 3 (Capacity)	892.064 Cu Meters
8.11.4.1:	Tank Number 4 (Identity)	3 P+S WBT
8.11.4.2:	Tank Number 4 (Capacity)	874.633 Cu Meters
8.11.5.1:	Tank Number 5 (Identity)	4 P+S WBT
8.11.5.2:	Tank Number 5 (Capacity)	879.591 Cu Meters
8.11.6.1:	Tank Number 6 (Identity)	5 P+S WBT
8.11.6.2:	Tank Number 6 (Capacity)	879.591 Cu Meters
8.11.7.1:	Tank Number 7 (Identity)	6 P+S WBT
8.11.7.2:	Tank Number 7 (Capacity)	860.011 Cu Meters
8.11.8.1:	Tank Number 8 (Identity)	7 P+S WBT
8.11.8.2:	Tank Number 8 (Capacity)	1290.697 Cu Meters
8.11.9.1:	Tank Number 9 (Identity)	
8.11.9.2:	Tank Number 9 (Capacity)	
8.11.10.1:	Tank Number 10 (Identity)	
8.11.10.2:	Tank Number 10 (Capacity)	
8.11.11.1:	Tank Number 11 (Identity)	
8.11.11.2:	Tank Number 11 (Capacity)	
8.11.12.1:	Tank Number 12 (Identity)	
8.11.12.2:	Tank Number 12 (Capacity)	
8.11.13.1:	Tank Number 13 (Identity)	
8.11.13.2:	Tank Number 13 (Capacity)	
8.11.14:	Total Ballast Tank Capacities at 100% full	7527.397 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?	7527.397 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?	Yes
8.14.5:	Is vessel equipped with spool piece designed to connect ballast system to cargo system?	Yes
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?	Not applicable
8.14.8:	Do ballast lines pass through any cargo tanks?	No
8.14.9:	If Yes, what type of expansion is fitted?	Not applicable
8.14.10:	Can vessel pump water ashore for line clearing?	Yes
8.14.11:	If Yes, what is maximum attainable discharge rate?	1800 Cu Meter/Hour
8.14.12:	If Yes, what is maximum acceptable back pressure?	8 Bar
8.14.13:	Which cargo tanks are designated for heavy weather ballast 4 P+S C.O.T 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?	15
8.15.1:	How many grades can vessel load/discharge using blank flanges?	15
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?	Yes
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)	
8.18.2:	Main Pump Number 1 (Number)	14
8.18.3:	Main Pump Number 1 (Type)	FRAMO-SD-150
8.18.4:	Main Pump Number 1 (Type of Prime Mover)	HYDRAULIC
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?)	110 Meters

8.18.9:	Main Pump Number 1 (Max RPM)	
8.19.1:	Main Pump Number 2 (Identity)	
8.19.2:	Main Pump Number 2 (Number)	2
8.19.3:	Main Pump Number 2 (Type)	FRAMO SD-100
8.19.4:	Main Pump Number 2 (Type of Prime Mover)	HYDRAULIC
8.19.5:	Main Pump Number 2 (Self Priming or Draining)	Self Priming
8.19.6:	Main Pump Number 2 (Capacity)	100 Cu Meter/Hour
8.19.7:	Main Pump Number 2 (Normal Back Pressure)	8 Bar
8.19.8:	Main Pump Number 2 (At what Head?)	110 Meters
8.19.9:	Main Pump Number 2 (Max RPM)	
8.20.1:	Main Pump Number 3 (Identity)	PORTABLE
8.20.2:	Main Pump Number 3 (Number)	1
8.20.3:	Main Pump Number 3 (Type)	Framo TK 80
8.20.4:	Main Pump Number 3 (Type of Prime Mover)	HYDRAULIC
8.20.5:	Main Pump Number 3 (Self Priming or Draining)	Self Priming
8.20.6:	Main Pump Number 3 (Capacity)	70 Cu Meter/Hour
8.20.7:	Main Pump Number 3 (Normal Back Pressure)	1.5 Bar
8.20.8:	Main Pump Number 3 (At what Head?)	70 Meters
8.20.9:	Main Pump Number 3 (Max RPM)	
8.21.1:	Main Pump Number 4 (Identity)	
8.21.2:	Main Pump Number 4 (Number)	
8.21.3:	Main Pump Number 4 (Type)	
8.21.4:	Main Pump Number 4 (Type of Prime Mover)	
8.21.5:	Main Pump Number 4 (Self Priming or Draining)	
8.21.6:	Main Pump Number 4 (Capacity)	
8.21.7:	Main Pump Number 4 (Normal Back Pressure)	
8.21.8:	Main Pump Number 4 (At what Head?)	
8.21.9:	Main Pump Number 4 (Max 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)	Framo SB-200

8.29.3:	Ballast Handling Main Pump (Type of Prime Mover)	HYDRAULIC
8.29.4:	Ballast Handling Main Pump (Capacity)	350 Cu Meter/Hour
8.29.5:	Ballast Handling Main Pump (Normal Back Pressure)	7 Bar
8.29.6:	Ballast Handling Main Pump (At what Head?)	
8.29.7:	Ballast Handling Main Pump (Max 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)	
8.31.2:	Ballast Handling Eductors (Type)	
8.31.3:	Ballast Handling Eductors (Type of Prime Mover)	
8.31.4:	Ballast Handling Eductors (Capacity)	
8.31.5:	Ballast Handling Eductors (At what Head?)	
8.32:	Is vessel fitted with dedicated stripping lines and pumps?	No
8.33:	State location of cargo pump emergency stops (i)	CARGO CONTROL
8.34:	State location of cargo pump emergency stops (ii)	UPPER DECK ACCOMMODATION
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 MANIFOLDS
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?	GATE/BUTTERFLY/GLOBE
8.44:	What type of cargo valve actuator is fitted?	HYDRAULIC / MANUALLY
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?	No

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 accordance with Section 7.6.3 of ISGOTT?	Yes
8.51.1:	What type of fixed closed tankgauging system is fitted?	Radar
8.52:	Does tank gauging system have local reading?	Yes
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?	Yes
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?	INTERTEK CALEBRETT
8.59.2:	If Yes, by whom are vapour locks certified?	ABS
8.60:	If portable equipment used for gauging who is manufacturer?	HERMETIC UTI METER
8.60.1:	If portable equipment used for gauging how many units are 3 supplied?	
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?	25 Millimeters
8.61.1:	To what standard is the thread of the vapour lock manufactured?	Quick Connect
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	HERMETIC UTIMETER
8.63:	Can cargo samples be taken at the manifold?	Yes
8.64:	What is the means of taking cargo temperatures?	PANASIA TANK RADAR / UTI
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?	ABS
13	VENTING	
8.67:	State what type of venting system is fitted	Individual High Velocity Pressure vacuum Valve with Gas free vent cover
8.68:	State maximum venting capacity	1070 Cu Meter/Hour
8.69:	State P/V valve opening pressure	2100 MM/WG
8.70:	State P/V valve vacuum setting	-350 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?	Yes
8.75:	Are mast risers fitted with high velocity vents?	Yes
8.76:	If Yes, state opening pressure	2000 MM/WG
8.77:	State vacuum setting of mast riser	-345 MM/WG
8.78:	State throughput capacity of mast riser.	4720 Cu Meter/Hour
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?	Not applicable
8.83:	What is the number of cargo connections per side?	16
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?	STAILESS STEEL
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?	150 Millimeters
16	MANIFOLD ARRANGEMENT	
8.91:	Manifold Arrangement Diagram	null
8.92:	Distance A bunker manifold to cargo manifold	1500 Millimeters
8.93:	Distance B cargo manifold to cargo manifold	1500 Millimeters
8.94:	Distance C cargo manifold to vapour return manifold	1500 Millimeters
8.95:	Distance D manifolds to ship's rail	4700 Millimeters
8.96:	Distance E spill tank grating to centre of manifold	895 Millimeters
8.97:	Distance F main deck to centre of manifold	2080 Millimeters
8.98:	Distance G maindeck to top of rail	1400 Millimeters
8.99:	Distance H top of rail to centre of manifold	590 Millimeters

8.100:	Distance J manifold to ship side	4910 Millimeters
8.101:	What is the height of the manifold connections above the waterline at loaded (Summer Deadweight) condition?	5.892 Meters
8.102:	What is the height of the manifold connections above the waterline in normal ballast?	8.682 Meters
8.103:	What is the distance between the keel and centre of manifold?	14.906 Meters
8.104:	Is vessel fitted with a stern manifold?	Yes
8.104.1:	If stern manifold fitted, state size	250 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	2
8.106.2:	From Diameter	150 Millimeters
8.106.3:	To Diameter	100 Millimeters
8.107.1:	Number of Reducers carried	2
8.107.2:	From Diameter	150 Millimeters
8.107.3:	To Diameter	150 Millimeters
8.108.1:	Number of Reducers carried	1
8.108.2:	From Diameter	150 Millimeters
8.108.3:	To Diameter	200 Millimeters
8.109.1:	Number of Reducers carried	22
8.109.2:	From Diameter	150 Millimeters
8.109.3:	To Diameter	300 Millimeters
8.110.1:	Number of Reducers carried	3
8.110.2:	From Diameter	300 Millimeters
8.110.3:	To Diameter	250 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,Water Ballast Tank,Galley,Accommodation,Engine Room,Tank cleaning room.
8.113:	Where are sensors/sampling points located in pumproom?	Not applicable
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)	MULTIGAS DETECTOR
8.114.2:	Portable and Personal gas detection equipment carried Item Number 1 (Number of units)	2
8.115.1:	Portable and Personal gas detection equipment carried Item Number 2 (Name)	TANKSCOPE
8.115.2:	Portable and Personal gas detection equipment carried Item Number 2 (Number of units)	2
8.116.1:	Portable and Personal gas detection equipment carried Item Number 3 (Name)	DRAEGER
8.116.2:	Portable and Personal gas detection equipment carried Item Number 3 (Number of units)	2

- 8.117.1: Portable and Personal gas detection equipment carried Item GAS DETECTOR
Number 4 (Name)
- 8.117.2: Portable and Personal gas detection equipment carried Item 2
Number 4 (Number of units)
- 8.118.1: Portable and Personal gas detection equipment carried Item OXYGEN ANALYSERS
Number 5 (Name)
- 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 2
- 8.122: Are all tanks coiled? No
- 8.123: What is the Height of coils above tank bottom? 120 Millimeters
- 8.124.1: Heating surface per tank
- 8.124.2: Heating surface per tank volume ratio
- 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 Steam
- 8.132: Number of heaters 1
- 8.133.1: Able to raise temperature from 44 Degrees C
- 8.133.2: Able to raise temperature to 66 Degrees C
- 8.133.3: Time taken to raise temperature 96 Hours
- 8.134: Total capacity of boilers 12,000 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) No
- 9.2: Is a P/V breaker fitted? Not applicable
- 9.3: Is IGS supplied by flue gas, inert gas (IG) generator and/or nitrogen? Not applicable
- 9.4: Are fixed O2 alarms fitted in inert gas generating spaces? Not applicable
- 9.5: What is the capacity of the IGS? Not applicable
- 9.6: How many fans does it have? Not applicable
- 9.7: What is the total combined fan capacity? Not applicable
- 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?	Not applicable
9.10:	What type of deck seal is fitted?	Not applicable
9.11:	How many segregations does the IGS have?	Not applicable
9.12:	What method is used to isolate individual tanks?	Not applicable
9.13:	What type of non-return valve is fitted?	Not applicable
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 ?	HIGH VELOCITY VENT VALVES,P/V BREAKER,INDEPENDENT ALARM SYSTEM,SLEUT VALVES.
9.15:	If ship has double hull or sides, are facilities available to inert ballast tanks and other void spaces?	Not applicable
9.15.1:	Can these tanks/spaces be purged with air?	Not applicable
9.16:	Where is the location of the emergency IGS connection?	Not applicable
9.16.1:	What is the size of the emergency IGS connection?	Not applicable
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)
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) 48 Millimeters
 10.11.3: Mooring Ropes (On Drums) Forecastle (Material) JETFLEX (Polypropylene & Polyester Composite Rope)
 10.11.4: Mooring Ropes (On Drums) Forecastle (Length) 200 Meters
 10.11.5: Mooring Ropes (On Drums) Forecastle (Breaking Strength) 44.2 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)	48 Millimeters
10.14.3:	Mooring Ropes (On Drums) Poop (Material)	JETFLEX (Polypropylene & Polyester Composite Rope)
10.14.4:	Mooring Ropes (On Drums) Poop (Length)	200 Meters
10.14.5:	Mooring Ropes (On Drums) Poop (Breaking Strength)	44.2 Tonnes

5 OTHER MOORING LINES

10.15.1:	Other Mooring Lines Forecastle (Number)	4
10.15.2:	Other Mooring Lines Forecastle (Diameter)	55 Millimeters
10.15.3:	Other Mooring Lines Forecastle (Material)	SUPERFLEX
10.15.4:	Other Mooring Lines Forecastle (Length)	200 Meters
10.15.5:	Other Mooring Lines Forecastle (Breaking Strength)	60 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)	4
10.18.2:	Other Mooring Lines Poop (Diameter)	55 Millimeters
10.18.3:	Other Mooring Lines Poop (Material)	SUPERFLEX
10.18.4:	Other Mooring Lines Poop (Length)	200 Meters
10.18.5:	Other Mooring Lines Poop (Breaking Strength)	60 Tonnes

6 SPARE MOORING WIRES

10.19.1:	Spare Mooring Wires (Identity 1)	
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)	
10.20.2:	Number (Identity 1)	

- 10.20.3: Diameter (Identity 1)
- 10.20.4: Material (Identity 1)
- 10.20.5: Length (Identity 1)
- 10.20.6: Breaking Strength (Identity 1)
- 10.20.1.1: Spare Mooring Ropes (Identity 2)
- 10.20.1.2: Number (Identity 2)
- 10.20.1.3: Diameter (Identity 2)
- 10.20.1.4: Material (Identity 2)
- 10.20.1.5: Length (Identity 2)
- 10.20.1.6: Breaking Strength (Identity 2)

8 SPARE MOORING TAILS

- 10.21.1: Spare Mooring Tails (Identity 1)
- 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) 2
- 10.22.2: Forecastle (Single Drum or Double Drums) Double Drums
- 10.22.3: Forecastle (Split Drums Y/N) Yes
- 10.22.4: Forecastle (Motive Power) Hydraulic
- 10.22.5: Forecastle (Heaving Power) 15 Tonnes
- 10.22.6: Forecastle (Brake Capacity) 26.5 Tonnes
- 10.22.7: Forecastle (Hauling Speed) 15 Meters/Minute
- 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)	15 Tonnes
10.25.6:	Poop (Brake Capacity)	26.5 Tonnes
10.25.7:	Poop (Hauling Speed)	15 Meters/Minute
10.26:	What type of winch brakes are fitted?	BAND BRAKES
10.27:	Is brake testing equipment on board?	Yes
10.28:	When were the brakes last tested?	Friday, 24 Jul 2009

10 MOORING BITS

10.29:	How many sets of mooring bits are fitted on forecastle?	6
10.30:	How many sets of mooring bits are fitted on forward main deck?	6
10.31:	How many sets of mooring bits are fitted on aft main deck?	4
10.32:	How many sets of mooring bits are fitted on poop deck?	7
10.33:	Distance of mooring chock for breast/spring lines forward of center of manifold	
10.34:	Distance of mooring chock for breast/spring lines aft of center of manifold	

11 ANCHORS AND WINDLASS

10.35:	What is the motive power of the windlass?	HYDRAULIC
10.36:	What is the cable diameter?	68 Millimeters
10.37:	Number of shackles - port cable?	10
10.38:	Number of shackles - starboard cable?	10
10.39:	Are bitter end connections to both cables capable of being slipped?	Yes

12 EMERGENCY TOWING ARRANGEMENTS

10.40:	Is the vessel fitted with an Emergency Towing Arrangement? If no, ignore remainder of this section.	Yes
10.41.1:	Type of system (Forward)	TONQUE
10.41.2:	Type of system (Aft)	Not applicable
10.42.1:	Safe Working Load (SWL) of system (Forward)	200 Tonnes
10.42.2:	Safe Working Load (SWL) of system (Aft)	Not applicable
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)	TONQUE
10.46.2:	Type of strong point (Smit bracket etc) (Aft)	Not applicable

10.47.1:	Chafing chain size (Forward)	76 Millimeters
10.47.2:	Chafing chain size (Aft)	Not applicable
10.48.1:	Fairlead size (in format ABCmm x XYZmm) (Forward)	600 X 450
10.48.2:	Fairlead size (in format ABCmm x XYZmm) (Aft)	Not applicable
10.49.1:	Is pedestal roller fitted? (Forward)	Yes
10.49.2:	Is pedestal roller fitted? (Aft)	Not applicable
10.50.1:	Is vessel provided with towing wire? (Forward)	No
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)	Not applicable
10.50.1.2:	If Yes, what is the diameter of towing wire? (Aft)	Not applicable
10.50.2.1:	If Yes, what is the length of towing wire? (Forward)	Not applicable
10.50.2.2:	If Yes, what is the length of towing wire? (Aft)	Not applicable
10.52:	What is the number of bitts in the bow area?	Not applicable
10.53:	What is the height of the bitts in the bow area?	Not applicable
10.54:	What is the safe working load of the bitts in the bow area?	Not applicable
10.55:	What is the distance between bow fairleads and nearest bitts?	Not applicable
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)?	Yes
10.61.1:	If Yes, how many?	1
10.61.2:	If Yes, state type	TONGUE
10.61.3:	If Yes, what is the Safe Working Load (SWL)?	200 Tonnes
10.62:	What is the maximum size chain diameter the bow stopper (s) can handle?	76 Millimeters
10.63:	Are closed fairleads of OCIMF recommended size (600mm x 450mm)?	Yes
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?	4500 Millimeters
10.66:	What is the distance from the stopper bracket to roller lead/winch drum?	8500 Meters
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?	Yes
10.69:	Is the winch storage drum capable of safely accommodating	Yes

200m X 80mm fibre pick up rope?

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 2550 Millimeters

10.73: Distance L spill tray to centre line of bollard 1180 Millimeters

10.74: Distance M length of bollard 600 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)? 10 Tonnes

10.76.2: Date last tested Wednesday, 10 Jun 2009

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? 7

18 OTHER EQUIPMENT

10.80: Are accommodation ladders arranged to face aft when rigged? Yes

10.81: Does vessel have Suez Canal boat davits? Yes

10.82: Does vessel have Suez Canal projector? Yes

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

11.12: Can vessel transmit the helicopter homing signal on 410 No

KHz?

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	2 Stroke
12.1.2:	If four stroke, state how many engines fitted	Not applicable
12.2:	Does vessel have single or twin propellers?	Single
12.3:	Is vessel fitted with fixed or controllable pitch propeller(s)?	Fixed
12.4:	How many boilers are fitted?	1
12.4.1:	What is rated output of boilers?	12 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	670 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?	No
12.12.1:	If yes, what type	Not applicable

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?	IFO 380CST
12.15:	Is vessel fitted with emergency generator or batteries?	Emergency generator

4 MAIN ENGINE AIR START COMPRESSORS

12.16:	Number of main engine start compressors	3
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)	NO. 1 (P) F.O.T(P)
12.19.2:	Fuel Oil (Capacity)	346.599 Cu Meters
12.19.3:	Diesel Oil (Tank Name)	NO.1 D.O.T (P)
12.19.4:	Diesel Oil (Capacity)	17.316 Cu Meters
12.19.5:	Gas Oil (Tank Name)	
12.19.6:	Gas Oil (Capacity)	

12.20.1:	Fuel Oil (Tank Name)	NO. 1 F.O.T (S)
12.20.2:	Fuel Oil (Capacity)	362.986 Cu Meters
12.20.3:	Diesel Oil (Tank Name)	NO.1 D.O.T (S)
12.20.4:	Diesel Oil (Capacity)	17.316 Cu Meters
12.20.5:	Gas Oil (Tank Name)	
12.20.6:	Gas Oil (Capacity)	
12.21.1:	Fuel Oil (Tank Name)	NO. 2 F.O.T (C)
12.21.2:	Fuel Oil (Capacity)	221.061 Cu Meters
12.21.3:	Diesel Oil (Tank Name)	NO.2 D.O.T (P)
12.21.4:	Diesel Oil (Capacity)	17.059 Cu Meters
12.21.5:	Gas Oil (Tank Name)	
12.21.6:	Gas Oil (Capacity)	
12.22.1:	Fuel Oil (Tank Name)	NO. H.F.O SETT.TANK (P)
12.22.2:	Fuel Oil (Capacity)	30.940 Cu Meters
12.22.3:	Diesel Oil (Tank Name)	NO.2 D.O.T (S)
12.22.4:	Diesel Oil (Capacity)	17.059 Cu Meters
12.22.5:	Gas Oil (Tank Name)	
12.22.6:	Gas Oil (Capacity)	
12.23.1:	Fuel Oil (Tank Name)	H.F.O SERV TANK (P)
12.23.2:	Fuel Oil (Capacity)	25.783 Cu Meters
12.23.3:	Diesel Oil (Tank Name)	NO.2 D.O.T (C)
12.23.4:	Diesel Oil (Capacity)	13.832 Cu Meters
12.23.5:	Gas Oil (Tank Name)	
12.23.6:	Gas Oil (Capacity)	
12.24.1:	Fuel Oil (Tank Name)	H.F.O SETT.TANK (P,LOW SULPHUR)
12.24.2:	Fuel Oil (Capacity)	22.739 Cu Meters
12.24.3:	Diesel Oil (Tank Name)	M/E D.O. SETT TANK (S)
12.24.4:	Diesel Oil (Capacity)	15.031 Cu Meters
12.24.5:	Gas Oil (Tank Name)	
12.24.6:	Gas Oil (Capacity)	
12.25.1:	Fuel Oil (Tank Name)	H.F.O. SERV. TANK (P,LOW SULPHUR)
12.25.2:	Fuel Oil (Capacity)	25.267 Cu Meters
12.25.3:	Diesel Oil (Tank Name)	M/E D.O SERV.T (S)
12.25.4:	Diesel Oil (Capacity)	25.783 Cu Meters
12.25.5:	Gas Oil (Tank Name)	
12.25.6:	Gas Oil (Capacity)	

6 STEERING GEAR

12.26:	What type of steering gear fitted?	CYLINDER
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?	No
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 sludge?	Yes

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 bits in the manifold area?	25 Tonnes
13.4:	Are manifold bits 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?	5.70 Meters
13.6:	Are four (4) 200m x 40mm messenger lines available for Ship-To-Ship (STS) mooring operations?	Not applicable
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?	Yes
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	Not applicable
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	UTI METERS
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?	25 Millimeters
2	IGS	
14.10.1:	(IGS) Composition of gas supplied by	Nitrogen Generator

14.10.2:	Nitrogen%	95 Percent
14.10.3:	Carbon Dioxide %	0 Percent
14.10.4:	Oxygen %	Not applicable
14.10.5:	Sulphur Dioxide %	Not applicable
14.10.6:	Carbon Monoxide %	Not applicable
14.10.7:	Oxides of Nitrogen %	Not applicable
14.10.8:	Dew Point degrees Celsius	Not applicable
14.11.1:	(IGS) Composition of gas supplied by	Nitrogen Generator
14.11.2:	Nitrogen%	95 Percent
14.11.3:	Carbon Dioxide %	0 Percent
14.11.4:	Oxygen %	0 Percent
14.11.5:	Sulphur Dioxide %	0 Percent
14.11.6:	Carbon Monoxide %	0 Percent
14.11.7:	Oxides of Nitrogen %	0 Percent
14.11.8:	Dew Point degrees Celsius	6 Degrees C
14.12:	Is Cargo Tank Drier fitted?	No
14.12.1:	If yes, manufacturer name	Not applicable
14.12.2:	Capacity	
14.13:	Is bottled Nitrogen available for deck use?	No
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?	12000 Cu Meter/Hour
14.17:	Is there independent piping?	No
14.17.1:	Through cargo lines	Yes
14.17.2:	Portable fans	Yes
14.17.3:	Number:	4
14.17.4:	Type:	WATER DRIVEN
14.17.5:	Capacity (one)	7850 Cu Meter/Hour
14.18:	Are there gas freeing stand pipes?	Yes
14.18.1:	Portable:	Not applicable
14.18.2:	Fixed	Yes

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	Yes

on deck?

5 CARGO AND OTHER MANIFOLDS

14.24:	Total number of manifold connections per side	
14.24.1.1:	Number (Port)	16
14.24.1.2:	Size (Port)	150 Millimeters
14.24.2.1:	Number (Starboard)	16
14.24.2.2:	Size (Starboard)	150 Millimeters
14.25:	Designed Max. loading rate	1800 Cu Meter/Hour
14.26:	Height of cargo vapour connections above keel	15.476 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	1980 Millimeters
14.31:	Dimension B	4910 Millimeters
14.32:	Dimension C	765 Millimeters
14.33:	Dimension D	650 Millimeters
14.34:	Dimension E	1700 Millimeters
14.35:	Dimension a	Not applicable
14.36:	Dimension b	Not applicable
14.37:	Dimension x	990 Millimeters
14.38:	Dimension y	1500 Millimeters
14.39:	Dimension z	650 Millimeters
14.40:	Dimension i	1500 Meters
14.41:	Dimension ii	66415 Millimeters
14.42:	Dimension iii	2650 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%	1137.158 Cu Meters
14.43.5:	MAX. LOAD RATE	445 Cu Meter/Hour
14.43.6:	MAX. TANK PRESSURE	
14.43.7:	MAX. VENTING CAPACITY	
14.43.8:	PRESSURE MONITOR	Yes
14.43.9:	CARGO PUMP CAPACITY	300 Cu Meter/Hour
14.43.10:	STRIPPED ROB	35 Litres
14.43.11:	HEATING MAX. TEMP	60 Degrees C
14.43.12:	COOLING MIN. TEMP	
14.43.13:	CONSTRUCTION MATERIAL OR COATING	EPX
14.43.14:	COATING DATE	Wednesday, 17 Jun 2009

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	25.4 Millimeters
14.43.19:	CLOSED SAMPLE TYPE	YES
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%	1137.144 Cu Meters
14.44.5:	MAX. LOAD RATE	445 Cu Meter/Hour
14.44.6:	MAX. TANK PRESSURE	
14.44.7:	MAX. VENTING CAPACITY	
14.44.8:	PRESSURE MONITOR	Yes
14.44.9:	CARGO PUMP CAPACITY	300 Cu Meter/Hour
14.44.10:	STRIPPED ROB	35 Litres
14.44.11:	HEATING MAX. TEMP	60 Degrees C
14.44.12:	COOLING MIN. TEMP	
14.44.13:	CONSTRUCTION MATERIAL OR COATING	EPX
14.44.14:	COATING DATE	Wednesday, 17 Jun 2009
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	25.4 Millimeters
14.44.19:	CLOSED SAMPLE TYPE	YES
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%	1315.460 Cu Meters
14.45.5:	MAX. LOAD RATE	455 Cu Meter/Hour
14.45.6:	MAX. TANK PRESSURE	
14.45.7:	MAX. VENTING CAPACITY	
14.45.8:	PRESSURE MONITOR	Yes
14.45.9:	CARGO PUMP CAPACITY	300 Cu Meter/Hour
14.45.10:	STRIPPED ROB	35 Litres
14.45.11:	HEATING MAX. TEMP	60 Degrees C
14.45.12:	COOLING MIN. TEMP	
14.45.13:	CONSTRUCTION MATERIAL OR COATING	EPX
14.45.14:	COATING DATE	Wednesday, 17 Jun 2009
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	25.4 Millimeters
14.45.19:	CLOSED SAMPLE TYPE	YES

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%	1315.481 Cu Meters
14.46.5:	MAX. LOAD RATE	455 Cu Meter/Hour
14.46.6:	MAX. TANK PRESSURE	
14.46.7:	MAX. VENTING CAPACITY	
14.46.8:	PRESSURE MONITOR	Yes
14.46.9:	CARGO PUMP CAPACITY	300 Cu Meter/Hour
14.46.10:	STRIPPED ROB	35 Litres
14.46.11:	HEATING MAX. TEMP	60 Degrees C
14.46.12:	COOLING MIN. TEMP	
14.46.13:	CONSTRUCTION MATERIAL OR COATING	EPX
14.46.14:	COATING DATE	Wednesday, 17 Jun 2009
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	25.4 Millimeters
14.46.19:	CLOSED SAMPLE TYPE	YES
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%	1370.338 Cu Meters
14.47.5:	MAX. LOAD RATE	455 Cu Meter/Hour
14.47.6:	MAX. TANK PRESSURE	
14.47.7:	MAX. VENTING CAPACITY	
14.47.8:	PRESSURE MONITOR	Yes
14.47.9:	CARGO PUMP CAPACITY	300 Cu Meter/Hour
14.47.10:	STRIPPED ROB	35 Litres
14.47.11:	HEATING MAX. TEMP	60 Degrees C
14.47.12:	COOLING MIN. TEMP	
14.47.13:	CONSTRUCTION MATERIAL OR COATING	EPX
14.47.14:	COATING DATE	Wednesday, 17 Jun 2009
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	25.4 Millimeters
14.47.19:	CLOSED SAMPLE TYPE	YES
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%	1370.360 Cu Meters
14.48.5:	MAX. LOAD RATE	455 Cu Meter/Hour

14.48.6:	MAX. TANK PRESSURE	
14.48.7:	MAX. VENTING CAPACITY	
14.48.8:	PRESSURE MONITOR	Yes
14.48.9:	CARGO PUMP CAPACITY	300 Cu Meter/Hour
14.48.10:	STRIPPED ROB	35 Litres
14.48.11:	HEATING MAX. TEMP	
14.48.12:	COOLING MIN. TEMP	60 Degrees C
14.48.13:	CONSTRUCTION MATERIAL OR COATING	EPX
14.48.14:	COATING DATE	Wednesday, 17 Jun 2009
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	25.4 Millimeters
14.48.19:	CLOSED SAMPLE TYPE	YES
14.49.1:	TANK NUMBER	NO.4(P)
14.49.2:	TANK LOCATION	
14.49.3:	IMO TYPE	2
14.49.4:	CAPACITY 100%	1370.033 Cu Meters
14.49.5:	MAX. LOAD RATE	455 Cu Meter/Hour
14.49.6:	MAX. TANK PRESSURE	
14.49.7:	MAX. VENTING CAPACITY	
14.49.8:	PRESSURE MONITOR	Yes
14.49.9:	CARGO PUMP CAPACITY	300 Cu Meter/Hour
14.49.10:	STRIPPED ROB	35 Litres
14.49.11:	HEATING MAX. TEMP	60 Degrees C
14.49.12:	COOLING MIN. TEMP	
14.49.13:	CONSTRUCTION MATERIAL OR COATING	EPX
14.49.14:	COATING DATE	Wednesday, 17 Jun 2009
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	25.4 Millimeters
14.49.19:	CLOSED SAMPLE TYPE	YES
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%	1370.044 Cu Meters
14.50.5:	MAX. LOAD RATE	455 Cu Meter/Hour
14.50.6:	MAX. TANK PRESSURE	
14.50.7:	MAX. VENTING CAPACITY	
14.50.8:	PRESSURE MONITOR	Yes
14.50.9:	CARGO PUMP CAPACITY	300 Cu Meter/Hour
14.50.10:	STRIPPED ROB	35 Litres

14.50.11:	HEATING MAX. TEMP	60 Degrees C
14.50.12:	COOLING MIN. TEMP	
14.50.13:	CONSTRUCTION MATERIAL OR COATING	EPX
14.50.14:	COATING DATE	Wednesday, 17 Jun 2009
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	25.4 Millimeters
14.50.19:	CLOSED SAMPLE TYPE	YES
14.51.1:	TANK NUMBER	NO.5(P)
14.51.2:	TANK LOCATION	
14.51.3:	IMO TYPE	2
14.51.4:	CAPACITY 100%	1369.826 Cu Meters
14.51.5:	MAX. LOAD RATE	455 Cu Meter/Hour
14.51.6:	MAX. TANK PRESSURE	
14.51.7:	MAX. VENTING CAPACITY	
14.51.8:	PRESSURE MONITOR	Yes
14.51.9:	CARGO PUMP CAPACITY	300 Cu Meter/Hour
14.51.10:	STRIPPED ROB	35 Litres
14.51.11:	HEATING MAX. TEMP	60 Degrees C
14.51.12:	COOLING MIN. TEMP	
14.51.13:	CONSTRUCTION MATERIAL OR COATING	EPX
14.51.14:	COATING DATE	Wednesday, 17 Jun 2009
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	25.4 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%	1369.815 Cu Meters
14.52.5:	MAX. LOAD RATE	455 Cu Meter/Hour
14.52.6:	MAX. TANK PRESSURE	
14.52.7:	MAX. VENTING CAPACITY	
14.52.8:	PRESSURE MONITOR	Yes
14.52.9:	CARGO PUMP CAPACITY	300 Cu Meter/Hour
14.52.10:	STRIPPED ROB	35 Litres
14.52.11:	HEATING MAX. TEMP	60 Degrees C
14.52.12:	COOLING MIN. TEMP	
14.52.13:	CONSTRUCTION MATERIAL OR COATING	EPX
14.52.14:	COATING DATE	Wednesday, 17 Jun 2009
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	25.4 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%	1369.953 Cu Meters
14.53.5:	MAX. LOAD RATE	455 Cu Meter/Hour
14.53.6:	MAX. TANK PRESSURE	
14.53.7:	MAX. VENTING CAPACITY	
14.53.8:	PRESSURE MONITOR	Yes
14.53.9:	CARGO PUMP CAPACITY	300 Cu Meter/Hour
14.53.10:	STRIPPED ROB	35 Litres
14.53.11:	HEATING MAX. TEMP	60 Degrees C
14.53.12:	COOLING MIN. TEMP	
14.53.13:	CONSTRUCTION MATERIAL OR COATING	EPX
14.53.14:	COATING DATE	Wednesday, 17 Jun 2009
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	25.4 Millimeters
14.53.19:	CLOSED SAMPLE TYPE	YES
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%	1369.837 Cu Meters
14.54.5:	MAX. LOAD RATE	455 Cu Meter/Hour
14.54.6:	MAX. TANK PRESSURE	
14.54.7:	MAX. VENTING CAPACITY	
14.54.8:	PRESSURE MONITOR	Yes
14.54.9:	CARGO PUMP CAPACITY	300 Cu Meter/Hour
14.54.10:	STRIPPED ROB	35 Litres
14.54.11:	HEATING MAX. TEMP	60 Degrees C
14.54.12:	COOLING MIN. TEMP	
14.54.13:	CONSTRUCTION MATERIAL OR COATING	EPX
14.54.14:	COATING DATE	Wednesday, 17 Jun 2009
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	25.4 Millimeters
14.54.19:	CLOSED SAMPLE TYPE	YES
14.55.1:	TANK NUMBER	No. 7(P)

14.55.2:	TANK LOCATION	Wings
14.55.3:	IMO TYPE	2
14.55.4:	CAPACITY 100%	1352.170 Cu Meters
14.55.5:	MAX. LOAD RATE	455 Cu Meter/Hour
14.55.6:	MAX. TANK PRESSURE	
14.55.7:	MAX. VENTING CAPACITY	
14.55.8:	PRESSURE MONITOR	Yes
14.55.9:	CARGO PUMP CAPACITY	300 Cu Meter/Hour
14.55.10:	STRIPPED ROB	35 Litres
14.55.11:	HEATING MAX. TEMP	60 Degrees C
14.55.12:	COOLING MIN. TEMP	
14.55.13:	CONSTRUCTION MATERIAL OR COATING	EPX
14.55.14:	COATING DATE	Wednesday, 17 Jun 2009
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	25.4 Millimeters
14.55.19:	CLOSED SAMPLE TYPE	YES
14.56.1:	TANK NUMBER	NO.7(S)
14.56.2:	TANK LOCATION	Wings
14.56.3:	IMO TYPE	2
14.56.4:	CAPACITY 100%	1352.038 Cu Meters
14.56.5:	MAX. LOAD RATE	455 Cu Meter/Hour
14.56.6:	MAX. TANK PRESSURE	
14.56.7:	MAX. VENTING CAPACITY	
14.56.8:	PRESSURE MONITOR	Yes
14.56.9:	CARGO PUMP CAPACITY	300 Cu Meter/Hour
14.56.10:	STRIPPED ROB	35 Litres
14.56.11:	HEATING MAX. TEMP	60 Degrees C
14.56.12:	COOLING MIN. TEMP	
14.56.13:	CONSTRUCTION MATERIAL OR COATING	EPX
14.56.14:	COATING DATE	Wednesday, 17 Jun 2009
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	25.4 Millimeters
14.56.19:	CLOSED SAMPLE TYPE	YES
14.57.1:	TANK NUMBER	SLOP (P)
14.57.2:	TANK LOCATION	Wings
14.57.3:	IMO TYPE	2
14.57.4:	CAPACITY 100%	506.126 Cu Meters
14.57.5:	MAX. LOAD RATE	120 Cu Meter/Hour
14.57.6:	MAX. TANK PRESSURE	

14.57.7:	MAX. VENTING CAPACITY	
14.57.8:	PRESSURE MONITOR	Yes
14.57.9:	CARGO PUMP CAPACITY	100 Cu Meter/Hour
14.57.10:	STRIPPED ROB	35 Litres
14.57.11:	HEATING MAX. TEMP	60 Degrees C
14.57.12:	COOLING MIN. TEMP	
14.57.13:	CONSTRUCTION MATERIAL OR COATING	EPX
14.57.14:	COATING DATE	Wednesday, 17 Jun 2009
14.57.15:	HIGH LEVEL ALARM TYPE	Float
14.57.16:	HI/HI LEVEL ALARM TYPE	Float
14.57.17:	LEVEL GAUGE TYPE	R
14.57.18:	VAPOUR LOCKS DIAMETER	25.4 Millimeters
14.57.19:	CLOSED SAMPLE TYPE	YES
14.58.1:	TANK NUMBER	SLOP (S)
14.58.2:	TANK LOCATION	Wings
14.58.3:	IMO TYPE	2
14.58.4:	CAPACITY 100%	506.146 Cu Meters
14.58.5:	MAX. LOAD RATE	120 Cu Meter/Hour
14.58.6:	MAX. TANK PRESSURE	
14.58.7:	MAX. VENTING CAPACITY	
14.58.8:	PRESSURE MONITOR	Yes
14.58.9:	CARGO PUMP CAPACITY	100 Cu Meter/Hour
14.58.10:	STRIPPED ROB	35 Litres
14.58.11:	HEATING MAX. TEMP	80 Degrees C
14.58.12:	COOLING MIN. TEMP	
14.58.13:	CONSTRUCTION MATERIAL OR COATING	EPX
14.58.14:	COATING DATE	Wednesday, 17 Jun 2009
14.58.15:	HIGH LEVEL ALARM TYPE	Float
14.58.16:	HI/HI LEVEL ALARM TYPE	Float
14.58.17:	LEVEL GAUGE TYPE	R
14.58.18:	VAPOUR LOCKS DIAMETER	25.4 Millimeters
14.58.19:	CLOSED SAMPLE TYPE	YES
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	Not applicable
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	Sunday, 21 Jun 2009
14.65.4:	CAPACITY	571.321 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	Sunday, 21 Jun 2009
14.66.4:	CAPACITY	650.517 Cu Meter/Hour
14.67.1:	TANK NUMBER	NO.1 W.B.T 1 (S)
14.67.2:	TANK LOCATION	Wings
14.67.3:	COATING DATE	Sunday, 21 Jun 2009
14.67.4:	CAPACITY	628.972 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	Sunday, 21 Jun 2009
14.68.4:	CAPACITY	436.798 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	Sunday, 21 Jun 2009
14.69.4:	CAPACITY	455.266 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	Sunday, 21 Jun 2009
14.70.4:	CAPACITY	466.550 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	Sunday, 21 Jun 2009
14.71.4:	CAPACITY	428.083 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	Sunday, 21 Jun 2009
14.72.4:	CAPACITY	430.562 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	Sunday, 21 Jun 2009
14.73.4:	CAPACITY	449.029 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	Sunday, 21 Jun 2009
14.74.4:	CAPACITY	499.029 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	Sunday, 21 Jun 2009
14.75.4:	CAPACITY	430.562 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	Sunday, 21 Jun 2009
14.76.4:	CAPACITY	420.772 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	Sunday, 21 Jun 2009
14.77.4:	CAPACITY	439.239 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	Sunday, 21 Jun 2009
14.78.4:	CAPACITY	658.686 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	Sunday, 21 Jun 2009
14.79.4:	CAPACITY	632.011 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 7527.397 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? 14 Cu Meter/Hour
 14.89.1: At pressure of: 8 Bar
 14.89.2: Duration of complete cycle 40 Minutes
 14.89.3: Nozzle diameter 12 Millimeters
 14.90: Tank washing pump capacity 120 Cu Meter/Hour
 14.91: Is a washing water heater fitted? Yes
 14.91.1: What is the Max. washing water temperature? 70 Degrees C
 14.92: Maximum number of machines operative at pressure above 8
 14.93: Where there is different type of equipment used, what is the capacity and type of equipment? PORTABLE 16 M3/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? No
 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'? No

2 CARGO INFORMATION

15.3: List products which the ship is Certified to carry

3 TRANSPORT AND CARRIAGE CONDITIONS

15.4: What is the Minimum allowable tank temperature?
 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?
- 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%)
- 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
- 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)

σελίδας XML

Δεν είναι δυνατή η εμφάνιση της

Δεν είναι δυνατή η προβολή της εισόδου XML με τη χρήση του φύλλου στυλ XSL. Διορθώστε το σφάλμα και στη συνέχεια κάντε κλικ στο κουμπί [Ανανέωση](#) ή δοκιμάστε ξανά αργότερα.

Βρέθηκε ένας χαρακτήρας που δεν είναι έγκυρος σε περιεχόμενο κειμένου. Παρουσιάστηκε σφάλμα κατά την επεξεργασία πόρου 'fil...

<Text>Propane from

v style="float: left; width: 320px;">

- 15.46: Tank 2 (m3)
- 15.47: Tank 3 (m3)
- 15.48: Tank 4 (m3)
- 15.49: Tank 5 (m3)
- 15.50: