

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

1.1:	Date this HVPQ document completed	Friday, 9 Jan 2009
1.2:	Name of ship	HELLESPONT PRIDE
1.3:	LR/IMO Number	9351414
1.4:	Last previous name	Not applicable
1.4.1:	Date of name change	Not applicable
1.5:	Second last previous name	Not applicable
1.5.1:	Date of name change	Not applicable
1.6:	Third last previous name	Not applicable
1.6.1:	Date of name change	Not applicable
1.7:	Fourth last previous name	Not applicable
1.7.1:	Date of name change	Not applicable
1.8:	Flag	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	V7J07
1.12:	INMARSAT number	764624759
1.13:	Ship's fax number	764624760
1.14:	Ship's telex number	453846873-PRID
1.15:	Mobile Phone Number	
1.16:	Ship's Email address	fprid@hellesponthammonia.de
1.17:	Type of ship	Oil Tanker
1.18:	Vessel's MMSI No. (Maritime Mobile Selective Call Identity Code)	538090208
1.19:	Type of Hull	Double hull

**2 OWNERSHIP AND OPERATION**

1.20:	Name of the Registered Owner	MT "Hellespont Pride" 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	
1.20.4:	Office fax number	+49 40 27 86 21 30
1.20.5:	Office Email address	managers@hellesponthammonia.de
1.20.6:	Contact person	Capt. Pavlos Danezis
1.20.7:	Contact person after hours telephone number	+30 6944 84 95 59

1.21:	Number of years this ship has been owned by Registered Owner	2 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	
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 9911 431
1.22.8:	Emergency callout number	+49 40 2262 5266
1.22.9:	Emergency callout pager number	
1.22.10:	Contact details for person responsible for oil spill response	Capt. Heinrich Braun
1.23:	Number of years this vessel has been controlled by technical operator	2 Years
1.24:	Total number of ships operated by this Technical Operator	15
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	
1.25.4:	Office fax number	+49 40 27 86 21 30
1.25.5:	Office Email address	managers@hellesponthammonia.de
1.25.6:	Contact person	Capt.Matthias Imrecke
1.25.7:	Contact person after hours telephone number	+49 172 415 7271

### 3 BUILDER

1.26:	Builder	NEW CENTURY SHIPBUILDING Co. LTD-China
1.27:	Date of building contract	Thursday, 27 May 2004
1.28:	Hull number	0307333
1.29:	Date keel laid	Saturday, 18 Dec 2004
1.30:	Date launched	Friday, 31 Mar 2006
1.31:	Date delivered	Monday, 18 Sep 2006
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 Carrier, (E), +AMS, +ACCU, VEC, SH, SHCM,FL (30),VEC,IGS,COW,UWILDS,ESP
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	Saturday, 17 Sep 2011
1.41:	Date of last special survey	Monday, 18 Sep 2006
1.42:	Was last special survey an enhanced special survey?	Not applicable
1.43:	Date next special survey due	Saturday, 17 Sep 2011
1.44:	If ship has Condition Assessment Programme (CAP) rating, what is the latest rating?	
1.45:	Date of last annual survey	Monday, 29 Sep 2008
1.46:	Date of last boiler survey - Port boiler	Saturday, 16 Sep 2006
1.47:	Date of last boiler survey - Starboard boiler	Saturday, 16 Sep 2006
1.48:	Is the ship subject to Continuous Machinery Survey?	Yes

## 5 DIMENSIONS

1.49:	Length overall (LOA)	228.6 Meters
1.50:	Length between perpendiculars (LBP)	219.7 Meters
1.51:	Extreme breadth	32.29 Meters
1.52:	Moulded breadth	32.26 Meters
1.53:	Moulded depth	20.8 Meters
1.54:	Keel to masthead	48.76 Meters
1.55:	Distance bow to bridge	188.3 Meters
1.56:	Distance bridge front - mid point manifold	74.8 Meters
1.57:	PARALLEL MID-BODY DIAGRAM	
1.57.1:	Distance bow to mid-point manifold	113.5 Meters
1.57.2:	Distance stern to mid-point manifold	115.1 Meters
1.57.3:	Parallel body (light ship)	114.3 Meters
1.57.4:	Parallel body, forward to mid-point manifold (light ship)	59.5 Meters
1.57.5:	Parallel body, aft to mid-point manifold (light ship)	54.8 Meters
1.57.6:	Parallel body (normal ballast)	132.8 Meters
1.57.7:	Parallel body, forward to mid-point manifold (normal ballast)	67.4 Meters
1.57.8:	Parallel body, aft to mid-point manifold (normal ballast)	65.4 Meters
1.57.9:	Parallel body at loaded summer deadweight (SDWT)	145.00 Meters
1.57.10:	Parallel body, forward to mid-point manifold at loaded SDWT	69.2 Meters
1.57.11:	Parallel body, aft to mid-point manifold at loaded SDWT	75.8 Meters
1.58:	Does ship have a bulbous bow?	Yes

## 6 TONNAGES

1.59:	Net Registered Tonnage	22444 Tonnes
1.60:	Gross Tonnage	42010 Tonnes

1.61:	Suez Tonnage	
1.61.1:	Suez Canal Gross Tonnage (SCGT)	44162 Tonnes
1.61.2:	Suez Canal Net Tonnage (SCNT)	39772.24 Tonnes
1.62:	Panama Tonnage	34705 Tonnes

## 7 LOADLINE INFORMATION

1.63.1:	Summer Freeboard	6.315 Meters
1.63.2:	Summer Draft	14.518 Meters
1.63.3:	Summer Deadweight	73727.1 Tonnes
1.63.4:	Summer Displacement	89343.3 Tonnes
1.64.1:	Winter Freeboard	6.617 Meters
1.64.2:	Winter Draft	14.216 Meters
1.64.3:	Winter Deadweight	71700.6 Tonnes
1.64.4:	Winter Displacement	87317.3 Tonnes
1.65.1:	Tropical Freeboard	6.013 Meters
1.65.2:	Tropical Draft	14.82 Meters
1.65.3:	Tropical Deadweight	75757.9 Tonnes
1.65.4:	Tropical Displacement	91374.6 Tonnes
1.66.1:	Lightship Freeboard	17.858 Meters
1.66.2:	Lightship Draft	2.95 Meters
1.66.3:	Lightship Deadweight	
1.66.4:	Lightship Displacement	15616.67 Tonnes
1.67.1:	Normal Ballast Condition Freeboard	13.288 Meters
1.67.2:	Normal Ballast Condition Draft	7.605 Meters
1.67.3:	Normal Ballast Condition Deadweight	39472 Tonnes
1.67.4:	Normal Ballast Condition Displacement	44149.92 Tonnes
1.68.1:	Segregated Ballast Condition Freeboard	13.28 Meters
1.68.2:	Segregated Ballast Condition Draft	7.605 Meters
1.68.3:	Segregated Ballast Condition Deadweight	39472 Tonnes
1.68.4:	Segregated Ballast Condition Displacement	44149.92 Tonnes
1.69:	FWA at Summer Draft (Freeboard)	333 Millimeters
1.70:	TPC Immersion at Summer Draft (Freeboard)	67.2 Tonnes
1.71.1:	Draught Fore at normal ballast conditions (Freeboard)	5.949 Meters
1.71.2:	Draught Aft at normal ballast conditions (Draft)	9.261 Meters
1.72:	Does ship have Multiple SDWT ?	No
1.73:	If yes, what is maximum assigned Deadweight?	73727.1 Tonnes
1.74:	What is the max. height of mast above waterline (air draft) in normal SBT condition?	40 Meters

## 8 RECENT OPERATIONAL HISTORY

1.75:	Has the ship traded continuously without requirement for	Yes
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unscheduled repairs since the last dry-dock, except for normal maintenance?

- 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 130-08-BCR
- 2.2.1: Safety Equipment Certificate (Issued) Monday, 18 Sep 2006
- 2.2.2: Safety Equipment Certificate (Expires) Saturday, 17 Sep 2011
- 2.2.3: Safety Equipment Certificate (Last Annual) Monday, 29 Sep 2008
- 2.3.1: Safety Radio Certificate (Issued) Monday, 18 Sep 2006
- 2.3.2: Safety Radio Certificate (Expires) Saturday, 17 Sep 2011
- 2.3.3: Safety Radio Certificate (Last Annual) Monday, 29 Sep 2008
- 2.4.1: Safety Construction Certificate (Issued) Monday, 18 Sep 2006
- 2.4.2: Safety Construction Certificate (Expires) Saturday, 17 Sep 2011
- 2.4.3: Safety Construction Certificate (Last Annual) Monday, 29 Sep 2008
- 2.5.1: Loadline Certificate (Issued) Monday, 18 Sep 2006
- 2.5.2: Loadline Certificate (Expires) Saturday, 17 Sep 2011
- 2.5.3: Loadline Certificate (Last Annual) Monday, 29 Sep 2008
- 2.6.1: International Oil Pollution Prevention Certificate (IOPPC) (Issued) Monday, 18 Sep 2006
- 2.6.2: International Oil Pollution Prevention Certificate (IOPPC) (Expires) Saturday, 17 Sep 2011
- 2.6.3: International Oil Pollution Prevention Certificate (IOPPC) (Last Annual) Monday, 29 Sep 2008
- 2.7: Type of Oil Tanker as specified by IOPPC Crude/Product (If not an oil tanker, specify) Crude Oil /Product Carrier
- 2.8.1: Safety Management Certificate (Issued) (SMC) Sunday, 4 Mar 2007
- 2.8.2: Safety Management Certificate (Expires) (SMC) Saturday, 3 Mar 2012
- 2.8.3: Safety Management Certificate (Last Intermediate) (SMC)
- 2.9.1: Document of Compliance (Issued) (DOC) Thursday, 11 Dec 2008
- 2.9.2: Document of Compliance (Expires) (DOC) Friday, 11 Dec 2009
- 2.9.3: Document of Compliance (Endorsed) (DOC) Not applicable
- 2.10.1: USCG Letter of Compliance (if applicable) (Issued) Saturday, 3 Mar 2007
- 2.10.2: USCG Letter of Compliance (if applicable) (Expires) Tuesday, 3 Mar 2009

2.10.3:	USCG Letter of Compliance (if applicable) (Last Annual)	Saturday, 3 Mar 2007
2.11.1:	Date of last USCG Tank Vessel Examination Letter (TVEL) (Issued)	Saturday, 3 Mar 2007
2.11.2:	Date of last USCG Tank Vessel Examination Letter (TVEL) (Expires)	Tuesday, 3 Mar 2009
2.12:	Minimum Safe Manning Certificate	Monday, 18 Sep 2006
2.13:	Civil Liability Convention Certificate (1969)	
2.14:	Civil Liability Convention Certificate (1992)	Friday, 20 Feb 2009
2.15:	U.S. Certificate of Financial Responsibility	Monday, 5 Oct 2009
2.16:	Certificate of Fitness (Chemicals)	Not applicable
2.17:	Certificate of Fitness (Gas)	Not applicable
2.18:	Noxious Liquids Certificate	Not applicable
2.19:	Unattended Machinery Space Certificate (Issued)	Monday, 18 Sep 2006
2.20:	International Tonnage Certificate (Issued)	Monday, 24 Jul 2006

## 2 DOCUMENTS

2.21:	IMO Safety of Life at Sea Convention (SOLAS 74)	Yes
2.22:	IMO International Code of Signals (SOLAS V-Reg 21)	Yes
2.23:	IMO International Convention for the Prevention of Pollution from Ships (MARPOL 73/78)	Yes
2.24:	IMO Ships Routeing	Yes
2.25:	IMO International Regulations For Preventing Collisions at Sea (COLREGS)	Yes
2.26:	IMO Standards of Training, Certification and Watchkeeping (STCW Convention)	Yes
2.27:	ICS Guide to Helicopter/Ship Operations	Yes
2.28:	OCIMF/ICS/IAPH International Safety Guide for Oil Tankers and Terminals (ISGOTT)	Yes
2.29:	OCIMF/ICS Clean Seas Guide for Oil Tankers	Yes
2.30:	OCIMF/ICS Prevention of Oil Spillages Through Cargo Pumproom Sea Valves	Yes
2.31:	OCIMF/ICS Ship to Ship Transfer Guide (Petroleum)	Yes
2.32:	OCIMF Recommendations for Oil Tanker Manifolds and Associated Equipment	Yes
2.33:	OCIMF Mooring Equipment Guidelines	Yes
2.34:	OCIMF Effective Mooring	Yes
2.35:	USCG Regulations for Tankers (USCG 33 CFR/46 CFR)	Yes
2.36:	Oil Transfer Procedures (USCG 33 CFR 155-156)	Yes
2.37:	Operator's ISM Manuals	Yes
2.38:	Is the publication IMO-Inert Gas Systems, or Ship Technical Operator's equivalent manual on board?	Yes
2.39:	Is the publication IMO-Cow Systems, or Ship Technical Operator's equivalent manual on board?	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)	Not applicable
2.46:	IMO Index of Dangerous Chemicals Carried in Bulk	Not applicable
2.47:	ICS Tanker Safety Guide (Chemicals)	Not applicable
2.48:	IMO Code for Construction & Equipment of Ships Carrying Dangerous Chemicals in Bulk (BCH Code)	Not applicable
2.49:	Chemical Data Guide (USCG 1990 CIM 16616.6A)	Not applicable
2.50:	Medical First Aid Guide for Use in Accidents involving Dangerous goods (MFAAG)	Not applicable
2.51:	Procedures and Arrangements (P&A) Manual	Not applicable

### 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)	7
3.1.2:	List Nationality of Officers	Filipino
3.1.3:	Master employed by (Vessel Operator)	Yes
3.1.4:	Officers employed by (Vessel Operator)	Yes
3.1.5:	Ratings employed by (Vessel Operator)	Yes
3.1.6:	Common language used (Vessel Operator)	ENGLISH
3.1.7:	Full name of Manning agent 1 (Officers)	Manila Shipmanagement & Manning
3.1.7.1:	Full address	Ground Floor,Princess Bldg,104 Esteban Str. Legaspi Village,Makati City 1229, Manila, Philippines

3.1.7.2:	Office telephone number	+632 89 240 71
3.1.7.3:	Office telex number	
3.1.7.4:	Office fax number	+632 81 66 993
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)	10
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)	English
3.2.7:	Full name of Manning agent 1 (Ratings)	Manila Shipmanagement & Manning
3.2.7.1:	Full address	Ground Floor, Princess Bldg ,104 Esteban Str Legaspi Village,Makati City 1229,Manila Phillipines
3.2.7.2:	Office telephone number	+ 632 89 24 071
3.2.7.3:	Office telex number	
3.2.7.4:	Office fax number	+ 632 81 66 993
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 , Tanker Saftety, Watch Keeping , Survival

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

## 4 Chapter 4

### 1 NAVIGATION

4.1.1:	Magnetic compass	Yes
4.1.2:	Magnetic compass (Type)	Lilley and Gillie
4.1.3:	Magnetic compass (Number of Units)	1
4.2.1:	Gyro compass	Yes
4.2.2:	Gyro compass (Type)	YOKOGAWA
4.2.3:	Gyro compass (Number of Units)	2
4.3.1:	Gyro Autopilot	Yes
4.3.2:	Gyro Autopilot (Type)	YOKOGAWA
4.3.3:	Gyro Autopilot (Number of Units)	1
4.4.1.1:	Radar 1	Yes
4.4.1.2:	Radar (Type)	JRC JMA 9932-SA
4.4.1.3:	Radar 1 (Number of Units)	1
4.4.2.1:	Radar 2	Yes
4.4.2.2:	Radar (Type)	JRC JMA 9922-9XA
4.4.2.3:	Radar 2 (Number of Units)	2
4.4.3:	Are radars gyro stabilised?	Yes
4.5:	Is there at least one radar operating in the 9 GHz frequency band (3cm/x band)?	Yes
4.6:	Are the 3 GHz (10cm/S band) and 9Ghz (3cm / X band) radars fitted with an electronic switching unit?	Yes
4.7.1:	Radar plotting equipment	Yes
4.7.2:	Radar plotting equipment (Type)	JRC
4.7.3:	Radar plotting equipment (Number of Units)	3
4.8.1:	Are the Radars fitted with ARPA?	Yes
4.8.2:	Type of ARPA	JRC

4.8.3:	Number of ARPA Units installed	3
4.9.1:	Depth sounder with recorder	Yes
4.9.2:	Depth sounder with recorder (Type)	JRC JFW-582
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)	CONSILIUM
4.10.3:	Speed/distance indicator (Number of Units)	1
4.11.1:	Doppler log	No
4.11.2:	Doppler log (Type)	
4.11.3:	Doppler log (Number of Units)	
4.12.1:	Docking approach doppler	No
4.12.2:	Docking approach doppler (Type)	
4.12.3:	Docking approach doppler (Number of Units)	
4.13.1:	Rudder angle indicator	Yes
4.13.2:	Rudder angle indicator (Type)	Rolls Royce
4.13.3:	Rudder angle indicator (Number of Units)	4
4.14.1:	RPM indicator	Yes
4.14.2:	RPM indicator (Type)	Konsberg
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)	
4.15.3:	Controllable pitch propeller indicator (Number of Units)	
4.16.1:	Bow thruster indicator	No
4.16.2:	Bow thruster indicator (Type)	
4.16.3:	Bow thruster indicator (Number of Units)	
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)	YOKOGAWA
4.18.3:	Rate of turn indicator (Number of Units)	1
4.19.1:	Radio direction finder	No
4.19.2:	Radio direction finder (Type)	
4.19.3:	Radio direction finder (Number of Units)	
4.20.1:	Navtex receiver	Yes
4.20.2:	Navtex receiver (Type)	JRC NCR-333
4.20.3:	Navtex receiver (Number of Units)	1
4.21.1:	Satellite navigation receiver	No
4.21.2:	Satellite navigation receiver (Type)	

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?	
4.22.3:	Number of GPS units installed?	
4.23.1:	Is the ship fitted with Differential GPS?	Yes
4.23.2:	Type of Differential GPS installed?	JRC JLR-7700 MKII
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)	JAN-901 M JRC
4.24.3:	Is there an Electronic Chart Display? (Number of Units)	1
4.25:	Is the Electronic Chart Display incorporated into an approved ECDIS ?	No
4.26.1:	Integrated Navigation System (INS)	No
4.26.2:	Integrated Navigation System (INS) (Type)	
4.26.3:	Integrated Navigation System (INS) (Number of Units)	
4.27.1:	Decca navigator	No
4.27.2:	Decca navigator (Type)	
4.27.3:	Decca navigator (Number of Units)	
4.28.1:	Omega receiver	No
4.28.2:	Omega receiver (Type)	
4.28.3:	Omega receiver (Number of Units)	
4.29.1:	Loran C receiver	No
4.29.2:	Loran C receiver (Type)	
4.29.3:	Loran C receiver (Number of Units)	
4.30.1:	Course recorder	Yes
4.30.2:	Course recorder (Type)	YOKOGAWA KR 100 A
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
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)	GMW IPP-AGW
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)	NIPPON KETKI
4.32.3:	Engine order printer (Number of Units)	1
4.33.1:	Anemometer	Yes
4.33.2:	Anemometer (Type)	NIPPON KETKI
4.33.3:	Anemometer (Number of Units)	1
4.34.1:	Weather fax	Yes

4.34.2:	Weather fax (Type)	JRC JAX-9A
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?	No
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?	Yes

## 5 Chapter 5

### 1 SAFETY MANAGEMENT

5.1:	Is the vessel operated under a Quality Management System?	Yes
5.1.1:	If Yes, what type of system? (ISO9002 or IMO Resolution A.741(18))?	IMO Resolution A.741 (18)
5.1.2:	If Yes, who is the certifying body?	ABS
5.1.3:	Date of vessel certification	Sunday, 4 Mar 2007

### 2 HELICOPTERS

5.2:	Can the ship comply with the ICS Helicopter Guidelines?	Yes
5.2.1:	If Yes, state whether winching or landing area provided	Winching
5.2.2:	What is diameter of circle provided?	5 Meters

### 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	Protein
5.5:	Date of foam supply or last analysis certificate	Friday, 10 Oct 2008
5.6:	What fixed fire fighting system is provided for the paint locker?	WATER/FOAM
5.7:	What type of fire fighting system is fitted in pumproom(s)?	CO2/Sprinkler
5.8:	What type of fire fighting system is fitted in engine room (s)?	CO2 / Water Springler
5.9:	What type of fire fighting system is fitted in void spaces(s)?	Not applicable
5.10:	Is a fixed dry powder firefighting system installed for the cargo area?	No
5.11:	Is a fixed water spray firefighting system installed for the cargo area?	No
5.12:	Is vessel equipped with recharging compressor for breathing apparatus?	Yes

5.13:	What type of lifeboat is fitted?	Conventional
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?	300 Millimeters
6.1.2:	What is maximum vertical height above deck plating at aft thwartships coaming?	300 Millimeters
6.1.3:	How far forward is this height maintained?	158 Meters
6.2:	Is an athwartship deck coaming fitted adjacent to accommodation and service areas?	Yes
6.3:	What is the height of the coaming?	100 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
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?	Yes
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?	Yes
6.14:	Are dump valves fitted to slop tanks which can be left open with inert gas pressure on the tanks?	Yes
6.15:	Are overboard discharges fitted with blanks or alternatively, is there a testing arrangement for the overboard valves?	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 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 CMP Pure Epoxy Epicon T-500  
 7.1.2: If partially coated, specify which tanks are coated All Cargo Tanks Included Slops are Coated  
 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 CMP Modified Epoxy Nova 1000  
 7.3.2: If ballast tanks are coated, specify to what extent Whole Tank  
 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	null
<b>2</b>	<b>DOUBLE HULL VESSELS</b>	
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
<b>3</b>	<b>CARGO TANK CAPACITIES</b>	
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%)	11288.8 Cu Meters
8.3.17:	Wings (P & S combined) Number 2 Capacity (98%)	14242.8 Cu Meters
8.3.18:	Wings (P & S combined) Number 3 Capacity (98%)	14243.5 Cu Meters
8.3.19:	Wings (P & S combined) Number 4 Capacity (98%)	14222.5 Cu Meters
8.3.20:	Wings (P & S combined) Number 5 Capacity (98%)	14204.8 Cu Meters
8.3.21:	Wings (P & S combined) Number 6 Capacity (98%)	13137.9 Cu Meters
8.3.22:	Wings (P & S combined) Number 7 Capacity (98%)	
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%)	1425.8 Cu Meters
8.5.1:	Slops 2nd Tank Capacity (98%)	1420.9 Cu Meters
8.6:	Wings (P & S combined) Total Capacity (98%)	81340.3 Cu Meters
8.7:	Slops 3rd tank Capacity (98%)	333.6 Cu Meters
8.7.1:	Slops 4th tank Capacity (98%)	
8.8:	Centre Tank Total Capacity (98%)	2846.7 Cu Meters
8.9:	Wings (P & S combined) Total Capacity (98%)	81673.9 Cu Meters
8.10:	Grand Total Capacity (98%)	84520.6 Cu Meters

#### 4 BALLAST TANK CAPACITIES

8.11:	Ballast Capacities At 100% Full (M3)	
8.11.1.1:	Tank Number 1 (Identity)	FPT
8.11.1.2:	Tank Number 1 (Capacity)	1895.57 Cu Meters
8.11.2.1:	Tank Number 2 (Identity)	1 PS
8.11.2.2:	Tank Number 2 (Capacity)	3931.2 Cu Meters
8.11.3.1:	Tank Number 3 (Identity)	2 PS
8.11.3.2:	Tank Number 3 (Capacity)	3615.94 Cu Meters
8.11.4.1:	Tank Number 4 (Identity)	3 PS
8.11.4.2:	Tank Number 4 (Capacity)	3646.04 Cu Meters
8.11.5.1:	Tank Number 5 (Identity)	4 PS
8.11.5.2:	Tank Number 5 (Capacity)	3646.04 Cu Meters
8.11.6.1:	Tank Number 6 (Identity)	5 PS
8.11.6.2:	Tank Number 6 (Capacity)	3641.57 Cu Meters
8.11.7.1:	Tank Number 7 (Identity)	6 PS
8.11.7.2:	Tank Number 7 (Capacity)	4275.42 Cu Meters
8.11.8.1:	Tank Number 8 (Identity)	APT
8.11.8.2:	Tank Number 8 (Capacity)	653.26 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 25305.04 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? Not applicable

8.13.3: Is the piping for CBT common with cargo piping or independent? Common

## 7 IF VESSEL IS SBT TANKER

8.14: If Vessel is SBT Tanker:

8.14.1: What is total capacity of SBT? 25305.04 Cu Meters

8.14.2: What percentage of summer deadweight can vessel maintain with SBT only? 35 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? 1500 Cu Meter/Hour

8.14.12: If Yes, what is maximum acceptable back pressure? 10 Bar

8.14.13: Which cargo tanks are designated for heavy weather ballast COT 4P and 4S as per IMO?

8.14.13.1: Tank Location Frame 122-154

## 8

**CARGO HANDLING**

- 8.15: How many grades/products can vessel load/discharge with 3 double valve segregation?
- 8.15.1: How many grades can vessel load/discharge using blank flanges?
- 8.15.2: If vessel is fitted with deepwell pumps and heat exchangers, can pumps and heat exchangers be by-passed during loading? Not applicable
- 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) MAIN PUMP
- 8.18.2: Main Pump Number 1 (Number) 1
- 8.18.3: Main Pump Number 1 (Type) Centrifugal
- 8.18.4: Main Pump Number 1 (Type of Prime Mover) Steam
- 8.18.5: Main Pump Number 1 (Self Priming or Draining) Self Priming
- 8.18.6: Main Pump Number 1 (Capacity) 2300 Cu Meter/Hour
- 8.18.7: Main Pump Number 1 (Normal Back Pressure) 10 Bar
- 8.18.8: Main Pump Number 1 (At what Head?) 130 Meters
- 8.18.9: Main Pump Number 1 (Max RPM) 1550 RPM
- 8.19.1: Main Pump Number 2 (Identity) MAIN PUMP
- 8.19.2: Main Pump Number 2 (Number) 1
- 8.19.3: Main Pump Number 2 (Type) Centrifugal
- 8.19.4: Main Pump Number 2 (Type of Prime Mover) Steam
- 8.19.5: Main Pump Number 2 (Self Priming or Draining) Self Priming
- 8.19.6: Main Pump Number 2 (Capacity) 2300 Cu Meter/Hour
- 8.19.7: Main Pump Number 2 (Normal Back Pressure) 10 Bar
- 8.19.8: Main Pump Number 2 (At what Head?) 130 Meters
- 8.19.9: Main Pump Number 2 (Max RPM) 1550 RPM
- 8.20.1: Main Pump Number 3 (Identity) MAIN PUMP
- 8.20.2: Main Pump Number 3 (Number) 1
- 8.20.3: Main Pump Number 3 (Type) Centrifugal
- 8.20.4: Main Pump Number 3 (Type of Prime Mover) Steam

8.20.5:	Main Pump Number 3 (Self Priming or Draining)	Self Priming
8.20.6:	Main Pump Number 3 (Capacity)	2300 Cu Meter/Hour
8.20.7:	Main Pump Number 3 (Normal Back Pressure)	10 Bar
8.20.8:	Main Pump Number 3 (At what Head?)	130 Meters
8.20.9:	Main Pump Number 3 (Max RPM)	1550 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)	1
8.27.2:	Stripping (Type)	Reciprocating
8.27.3:	Stripping (Type of Prime Mover)	Steam
8.27.4:	Stripping (Capacity)	250 Cu Meter/Hour
8.27.5:	Stripping (Normal Back Pressure)	10 Bar
8.27.6:	Stripping (At what Head?)	130 Meters
8.28.1:	Eductors (Number)	3
8.28.2:	Eductors (Type)	
8.28.3:	Eductors (Type of Prime Mover)	
8.28.4:	Eductors(Capacity)	250 Cu Meter/Hour
8.28.5:	Eductors(Normal Back Pressure)	2 Bar
8.28.6:	Eductors(At what Head?)	25 Meters
8.29.1:	Ballast Handling Main Pump (Number)	2
8.29.2:	Ballast Handling Main Pump (Type)	Centrifugal
8.29.3:	Ballast Handling Main Pump (Type of Prime Mover)	Electric
8.29.4:	Ballast Handling Main Pump (Capacity)	1500 Cu Meter/Hour
8.29.5:	Ballast Handling Main Pump (Normal Back Pressure)	4 Bar
8.29.6:	Ballast Handling Main Pump (At what Head?)	45 Meters
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)	2
8.31.2:	Ballast Handling Eductors (Type)	
8.31.3:	Ballast Handling Eductors (Type of Prime Mover)	
8.31.4:	Ballast Handling Eductors (Capacity)	250 Cu Meter/Hour
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)	P/RM Entrance/P/RM Platform
8.35:	State location of cargo pump emergency stops (iii)	Cargo Manifold Port
8.36:	State location of cargo pump emergency stops (iv)	Cargo Manifold STBD
8.37:	State location of cargo pump emergency stops (v)	Turbine Side
8.38.1:	Are bearings of cargo pumps fitted with high temperature alarms?	Yes
8.38.2:	Are bearings of cargo pumps fitted with high temperature trips?	Yes
8.39.1:	Are bearings of ballast pumps fitted with high temperature alarms?	Yes
8.39.2:	Are bearings of ballast pumps fitted with high temperature trips?	Yes
8.40.1:	Are casings of cargo pumps fitted with high temperature alarms?	Yes
8.40.2:	Are casings of cargo pumps fitted with high temperature trips?	Yes
8.41.1:	Are casings of ballast pumps fitted with high temperature alarms?	Yes
8.41.2:	Are casings of ballast pumps fitted with high temperature trips?	Yes
8.42.1:	Are pumproom shaft glands through bulkheads fitted with high temperature alarms?	Yes
8.42.2:	Are pumproom shaft glands through bulkheads fitted with high temperature trips?	Yes
8.43:	What is the principal type of cargo valve?	Butterfly
8.44:	What type of cargo valve actuator is fitted?	Hand and HYDRAULIC

## 10 CARGO CONTROL ROOM

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

8.50:	Can the IGS be controlled from the CCR?	Yes
<b>11</b>	<b>GAUGING AND SAMPLING</b>	
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?	Class
8.59.2:	If Yes, by whom are vapour locks certified?	DNV
8.60:	If portable equipment used for gauging who is manufacturer?	Tank System A/S
8.60.1:	If portable equipment used for gauging how many units are 2 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?	
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?	
8.62:	Specify portable equipment for checking oil/water interface	Gas Tight Hermetic UTI
8.63:	Can cargo samples be taken at the manifold?	Yes
8.64:	What is the means of taking cargo temperatures?	SAAB Temperature Sensors/UTI
<b>12</b>	<b>VAPOUR EMISSION CONTROL</b>	
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 PV VALVE / MAST RISER
8.68:	State maximum venting capacity	8700 Cu Meter/Hour
8.69:	State P/V valve opening pressure	1700 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	1400 MM/WG
8.77:	State vacuum setting of mast riser	350 MM/WG
8.78:	State throughput capacity of mast riser.	8700 Cu Meter/Hour
8.79:	What is the maximum loading rate for homogenous cargo?	8000 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?	Manually Butterfly
8.82:	If hydraulic valves fitted, what are closing times?	Not applicable
8.83:	What is the number of cargo connections per side?	4
8.84:	What is the size of cargo connections?	400 Millimeters
8.85:	Are pressure gauges fitted outboard of manifold valves?	Yes
8.86:	What is the material of the manifold?	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?	3
8.90:	What is the size of the bunker connection?	200 Millimeters

### 16 MANIFOLD ARRANGEMENT

8.91:	Manifold Arrangement Diagram	null
8.92:	Distance A bunker manifold to cargo manifold	2000 Millimeters
8.93:	Distance B cargo manifold to cargo manifold	2500 Millimeters

8.94:	Distance C cargo manifold to vapour return manifold	4000 Millimeters
8.95:	Distance D manifolds to ship's rail	4440 Millimeters
8.96:	Distance E spill tank grating to centre of manifold	900 Millimeters
8.97:	Distance F main deck to centre of manifold	2100 Millimeters
8.98:	Distance G maindeck to top of rail	1310 Millimeters
8.99:	Distance H top of rail to centre of manifold	750 Millimeters
8.100:	Distance J manifold to ship side	4600 Millimeters
8.101:	What is the height of the manifold connections above the waterline at loaded (Summer Deadweight) condition?	8.42 Meters
8.102:	What is the height of the manifold connections above the waterline in normal ballast?	15.33 Meters
8.103:	What is the distance between the keel and centre of manifold?	22.934 Meters
8.104:	Is vessel fitted with a stern manifold?	No
8.104.1:	If stern manifold fitted, state size	
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	6
8.106.2:	From Diameter	400 Millimeters
8.106.3:	To Diameter	300 Millimeters
8.107.1:	Number of Reducers carried	6
8.107.2:	From Diameter	400 Millimeters
8.107.3:	To Diameter	250 Millimeters
8.108.1:	Number of Reducers carried	6
8.108.2:	From Diameter	400 Millimeters
8.108.3:	To Diameter	200 Millimeters
8.109.1:	Number of Reducers carried	6
8.109.2:	From Diameter	450 Millimeters
8.109.3:	To Diameter	300 Millimeters
8.110.1:	Number of Reducers carried	6
8.110.2:	From Diameter	450 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?	FPT-WBT-PROOM
8.113:	Where are sensors/sampling points located in pumproom?	2 POINTS
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 EXPLOSIMETERS (RIKEN FINE GP-204 / MSA 2A) Number 1 (Name)
- 8.114.2: Portable and Personal gas detection equipment carried Item 2 Number 1 (Number of units)
- 8.115.1: Portable and Personal gas detection equipment carried Item GASCOPE (COMBUSTIBLE GAS INDICATOR RIKEN / MSA) Number 2 (Name)
- 8.115.2: Portable and Personal gas detection equipment carried Item 2 Number 2 (Number of units)
- 8.116.1: Portable and Personal gas detection equipment carried Item DRAGER (MULTI GAS DETECTOR) Number 3 (Name)
- 8.116.2: Portable and Personal gas detection equipment carried Item 1 Number 3 (Number of units)
- 8.117.1: Portable and Personal gas detection equipment carried Item OXYZEN ANALYZER (MSA 246RA / OX-1 / ODM II) Number 4 (Name)
- 8.117.2: Portable and Personal gas detection equipment carried Item 3 Number 4 (Number of units)
- 8.118.1: Portable and Personal gas detection equipment carried Item H2S MONITOR (PERSONAL) RIKEN HEIKI HS-87 Number 5 (Name)
- 8.118.2: Portable and Personal gas detection equipment carried Item 3 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 3
- 8.122: Are all tanks coiled? Yes
- 8.123: What is the Height of coils above tank bottom? 150 Millimeters
- 8.124.1: Heating surface per tank
- 8.124.2: Heating surface per tank volume ratio 0.02m<sup>2</sup>/m<sup>3</sup>, 0.08m<sup>2</sup>/m<sup>3</sup>
- 8.125: Are heating coils welded or coupled? Welded
- 8.126: Are heat exchangers external to cargo tanks? No
- 8.127: Are there external ducts? No
- 8.128: What is the Material of heating coils? Stainless Steel
- 8.129: Inlet heating medium to coils Steam
- 8.130.1: With Sea temperature
- 8.130.2: With air temperature -10 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 20000 KCal

## 9 Chapter 9

### 1 INERT GAS AND CRUDE OIL WASHING

9.1:	Is an inert gas system (IGS) fitted? (If No, ignore remainder of this section)	Yes
9.2:	Is a P/V breaker fitted?	Yes
9.3:	Is IGS supplied by flue gas, inert gas (IG) generator and/or nitrogen?	Flue Gas
9.4:	Are fixed O2 alarms fitted in inert gas generating spaces?	Yes
9.5:	What is the capacity of the IGS?	8700 Cu Meter/Hour
9.6:	How many fans does it have?	2
9.7:	What is the total combined fan capacity?	17400 Cu Meter/Hour
9.8:	Is a top-up IG generator fitted?	Yes
9.8.1:	If Yes, what is its capacity?	8700 Cu Meter/Hour
9.9:	Is an IGS operating manual on board?	Yes
9.10:	What type of deck seal is fitted?	Wet
9.11:	How many segregations does the IGS have?	
9.12:	What method is used to isolate individual tanks?	Isolation Valves
9.13:	What type of non-return valve is fitted?	Swing Check
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 ?	Tank Atmosphere Sensor
9.15:	If ship has double hull or sides, are facilities available to inert ballast tanks and other void spaces?	Yes
9.15.1:	Can these tanks/spaces be purged with air?	Yes
9.16:	Where is the location of the emergency IGS connection?	Manifolds
9.16.1:	What is the size of the emergency IGS connection?	400 Millimeters
9.17:	Is a Crude Oil Washing (COW) installation fitted? (If No, ignore remainder of this section)	Yes
9.18:	Are COW drive units fixed or portable?	Fixed
9.19:	Are COW drive units programmable?	Yes
9.20:	Is vessel capable of performing COW at the same time as cargo discharge?	Yes
9.21:	Is there an approved COW Manual on board?	Yes
9.22:	What is the working pressure of the COW lines?	10 Bar

## 10 Chapter 10

### 1 MOORING

10.1:	Does the vessel comply with the latest edition of OCIMF Mooring Equipment Guidelines?	Yes
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### 2 MOORING WIRES (ON DRUMS)

10.2.1:	Mooring Wires (On Drums) Forecastle (Number)	4
10.2.2:	Mooring Wires (On Drums) Forecastle (Diameter)	30 Millimeters
10.2.3:	Mooring Wires (On Drums) Forecastle (Material)	KAPANEEMA PLUS
10.2.4:	Mooring Wires (On Drums) Forecastle (Length)	220 Meters
10.2.5:	Mooring Wires (On Drums) Forecastle (Breaking Strength)	64.4 Tonnes
10.3.1:	Mooring Wires (On Drums) Forward Main Deck (Number)	2
10.3.2:	Mooring Wires (On Drums) Forward Main Deck (Diameter)	32 Millimeters
10.3.3:	Mooring Wires (On Drums) Forward Main Deck (Material)	KAPANEEMA PLUS
10.3.4:	Mooring Wires (On Drums) Forward Main Deck (Length)	220 Meters
10.3.5:	Mooring Wires (On Drums) Forward Main Deck (Breaking Strength)	75 Tonnes
10.4.1:	Mooring Wires (On Drums) Aft Main Deck (Number)	2
10.4.2:	Mooring Wires (On Drums) Aft Main Deck (Diameter)	30 Millimeters
10.4.3:	Mooring Wires (On Drums) Aft Main Deck (Material)	KAPANEEMA PLUS
10.4.4:	Mooring Wires (On Drums) Aft Main Deck (Length)	220 Meters
10.4.5:	Mooring Wires (On Drums) Aft Main Deck (Breaking Strength)	64.4 Tonnes
10.5.1:	Mooring Wires (On Drums) Poop (Number)	4
10.5.2:	Mooring Wires (On Drums) Poop (Diameter)	30 Millimeters
10.5.3:	Mooring Wires (On Drums) Poop (Material)	KAPANEEMA PLUS
10.5.4:	Mooring Wires (On Drums) Poop (Length)	220 Meters
10.5.5:	Mooring Wires (On Drums) Poop (Breaking Strength)	64.4 Tonnes

### 3 MOORING WIRE TAILS

10.6:	Type of shackle	Not applicable
10.7.1:	Mooring Wire Tails Forecastle (Number)	4
10.7.2:	Mooring Wire Tails Forecastle (Diameter)	72 Millimeters
10.7.3:	Mooring Wire Tails Forecastle (Material)	NYLON
10.7.4:	Mooring Wire Tails Forecastle (Length)	11 Meters
10.7.5:	Mooring Wire Tails Forecastle (Breaking Strength)	105 Tonnes
10.8.1:	Mooring Wire Tails Forward Main Deck (Number)	2
10.8.2:	Mooring Wire Tails Forward Main Deck (Diameter)	72 Millimeters
10.8.3:	Mooring Wire Tails Forward Main Deck (Material)	NYLON
10.8.4:	Mooring Wire Tails Forward Main Deck (Length)	11 Meters
10.8.5:	Mooring Wire Tails Forward Main Deck (Breaking Strength)	105 Tonnes
10.9.1:	Mooring Wire Tails Aft Main Deck (Number)	2
10.9.2:	Mooring Wire Tails Aft Main Deck (Diameter)	68 Millimeters
10.9.3:	Mooring Wire Tails Aft Main Deck (Material)	NYLON
10.9.4:	Mooring Wire Tails Aft Main Deck (Length)	11 Meters
10.9.5:	Mooring Wire Tails Aft Main Deck (Breaking Strength)	91.5 Tonnes
10.10.1:	Mooring Wire Tails Poop (Number)	4

10.10.2:	Mooring Wire Tails Poop (Diameter)	72 Millimeters
10.10.3:	Mooring Wire Tails Poop (Material)	NYLON
10.10.4:	Mooring Wire Tails Poop (Length)	11 Meters
10.10.5:	Mooring Wire Tails Poop (Breaking Strength)	105 Tonnes

#### 4 MOORING ROPES (ON DRUMS)

10.11.1:	Mooring Ropes (On Drums) Forecastle (Number)	
10.11.2:	Mooring Ropes (On Drums) Forecastle (Diameter)	
10.11.3:	Mooring Ropes (On Drums) Forecastle (Material)	
10.11.4:	Mooring Ropes (On Drums) Forecastle (Length)	
10.11.5:	Mooring Ropes (On Drums) Forecastle (Breaking Strength)	
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)	
10.14.2:	Mooring Ropes (On Drums) Poop (Diameter)	
10.14.3:	Mooring Ropes (On Drums) Poop (Material)	
10.14.4:	Mooring Ropes (On Drums) Poop (Length)	
10.14.5:	Mooring Ropes (On Drums) Poop (Breaking Strength)	

#### 5 OTHER MOORING LINES

10.15.1:	Other Mooring Lines Forecastle (Number)	6
10.15.2:	Other Mooring Lines Forecastle (Diameter)	60 Millimeters
10.15.3:	Other Mooring Lines Forecastle (Material)	Nylon
10.15.4:	Other Mooring Lines Forecastle (Length)	220 Meters
10.15.5:	Other Mooring Lines Forecastle (Breaking Strength)	60.5 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)	6
10.18.2:	Other Mooring Lines Poop (Diameter)	60 Millimeters
10.18.3:	Other Mooring Lines Poop (Material)	Nylon
10.18.4:	Other Mooring Lines Poop (Length)	220 Meters
10.18.5:	Other Mooring Lines Poop (Breaking Strength)	60.5 Tonnes

## 6 SPARE MOORING WIRES

10.19.1:	Spare Mooring Wires (Identity 1)	Forecastle
10.19.2:	Number (Identity 1)	2
10.19.3:	Diameter (Identity 1)	30 Millimeters
10.19.4:	Material (Identity 1)	KAPANEEMA PLUS
10.19.5:	Length (Identity 1)	220 Meters
10.19.6:	Breaking Strength (Identity 1)	64.4 Tonnes
10.19.1.1:	Spare Mooring Wires (Identity 2)	Poop Deck-Steering Gear
10.19.1.2:	Number (Identity 2)	2
10.19.1.3:	Diameter (Identity 2)	30 Millimeters
10.19.1.4:	Material (Identity 2)	KAPANEEMA PLUS
10.19.1.5:	Length (Identity 2)	220 Meters
10.19.1.6:	Breaking Strength (Identity 2)	64.4 Tonnes

## 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)	Not applicable
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)	Forecastle
10.21.2:	Number (Identity 1)	5

10.21.3:	Diameter (Identity 1)	68 Millimeters
10.21.4:	Material (Identity 1)	Nylon
10.21.5:	Length (Identity 1)	11 Meters
10.21.6:	Breaking Strength (Identity 1)	91.5 Tonnes
10.21.1.1:	Spare Mooring Tails (Identity 2)	Poop Deck-Steering gear room
10.21.1.2:	Number (Identity 2)	2
10.21.1.3:	Diameter (Identity 2)	78 Millimeters
10.21.1.4:	Material (Identity 2)	Nylon
10.21.1.5:	Length (Identity 2)	11 Meters
10.21.1.6:	Breaking Strength (Identity 2)	105 Tonnes

## 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)	48 Tonnes
10.22.7:	Forecastle (Hauling Speed)	15 Meters/Minute
10.23.1:	Forward Main Deck (Number)	1
10.23.2:	Forward Main Deck (Single Drum or Double Drums)	Double Drums
10.23.3:	Forward Main Deck (Split Drums Y/N)	Yes
10.23.4:	Forward Main Deck (Motive Power)	Hydraulic
10.23.5:	Forward Main Deck (Heaving Power)	15 Tonnes
10.23.6:	Forward Main Deck (Brake Capacity)	48 Tonnes
10.23.7:	Forward Main Deck (Hauling Speed)	15 Meters/Minute
10.24.1:	Aft Main Deck (Number)	1
10.24.2:	Aft Main Deck (Single Drum or Double Drums)	Double Drums
10.24.3:	Aft Main Deck (Split Drums Y/N)	Yes
10.24.4:	Aft Main Deck (Motive Power)	Hydraulic
10.24.5:	Aft Main Deck (Heaving Power)	15 Tonnes
10.24.6:	Aft Main Deck (Brake Capacity)	48 Tonnes
10.24.7:	Aft Main Deck (Hauling Speed)	15 Meters/Minute
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)	48 Tonnes
10.25.7:	Poop (Hauling Speed)	15 Meters/Minute

10.26:	What type of winch brakes are fitted?	MECHANICAL
10.27:	Is brake testing equipment on board?	Yes
10.28:	When were the brakes last tested?	Thursday, 13 Sep 2007

## 10 MOORING BITS

10.29:	How many sets of mooring bitts are fitted on forecastle?	4
10.30:	How many sets of mooring bitts are fitted on forward main deck?	5
10.31:	How many sets of mooring bitts are fitted on aft main deck?	3
10.32:	How many sets of mooring bitts are fitted on poop deck?	8
10.33:	Distance of mooring chock for breast/spring lines forward of center of manifold	60.35 Meters
10.34:	Distance of mooring chock for breast/spring lines aft of center of manifold	56.95 Meters

## 11 ANCHORS AND WINDLASS

10.35:	What is the motive power of the windlass?	ElectroHydraulic
10.36:	What is the cable diameter?	81 Millimeters
10.37:	Number of shackles - port cable?	13
10.38:	Number of shackles - starboard cable?	12
10.39:	Are bitter end connections to both cables capable of being slipped?	Yes

## 12 EMERGENCY TOWING ARRANGEMNTS

10.40:	Is the vessel fitted with an Emergency Towing Arrangement? If no, ignore remainder of this section.	Yes
10.41.1:	Type of system (Forward)	YT-2000
10.41.2:	Type of system (Aft)	YT-2000
10.42.1:	Safe Working Load (SWL) of system (Forward)	200 Tonnes
10.42.2:	Safe Working Load (SWL) of system (Aft)	200 Tonnes
10.43.1:	Is pick-up gear provided? (Forward)	Not applicable
10.43.2:	Is pick-up gear provided? (Aft)	Yes
10.44.1:	Towing pennant length (Forward)	
10.44.2:	Towing pennant length (Aft)	90 Meters
10.45.1:	Towing pennant diameter (Forward)	
10.45.2:	Towing pennant diameter (Aft)	80 Millimeters
10.46.1:	Type of strong point (Smit bracket etc) (Forward)	Hinged Bar Type
10.46.2:	Type of strong point (Smit bracket etc) (Aft)	Fairlead/Strong Point
10.47.1:	Chafing chain size (Forward)	76 Millimeters
10.47.2:	Chafing chain size (Aft)	
10.48.1:	Fairlead size (in format ABCmm x XYZmm) (Forward)	600
10.48.2:	Fairlead size (in format ABCmm x XYZmm) (Aft)	600
10.49.1:	Is pedestal roller fitted? (Forward)	Not applicable

10.49.2:	Is pedestal roller fitted? (Aft)	Yes
10.50.1:	Is vessel provided with towing wire? (Forward)	Not applicable
10.50.2:	Is vessel provided with towing wire? (Aft)	No
10.50.1.1:	If Yes, what is the diameter of towing wire? (Forward)	
10.50.1.2:	If Yes, what is the diameter of towing wire? (Aft)	
10.50.2.1:	If Yes, what is the length of towing wire? (Forward)	
10.50.2.2:	If Yes, what is the length of towing wire? (Aft)	
10.52:	What is the number of bitts in the bow area?	4
10.53:	What is the height of the bitts in the bow area?	760 Millimeters
10.54:	What is the safe working load of the bitts in the bow area?	64 Tonnes
10.55:	What is the distance between bow fairleads and nearest bitts?	3000 Millimeters
10.56:	Is the bow area clear of any obstructions which would hamper towing connections?	Yes

### 13 ESCORT TUG

10.57:	SWL of closed chock on stern	64 Tonnes
10.58:	SWL of bollard on poopdeck suitable for escort tug	64 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)'?	Yes
10.61:	Is vessel fitted with chain stopper(s)?	Yes
10.61.1:	If Yes, how many?	2
10.61.2:	If Yes, state type	Hinged Bar Type
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 Yes 450mm)?	
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	2500 Millimeters
10.65:	What is the distance between the bow fairlead and stopper/bracket?	3500 Millimeters
10.66:	What is the distance from the stopper bracket to roller lead/winch drum?	10.5 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 200m X 80mm fibre pick up rope?	Yes

**15 BOW MOORING ARRANGEMENT DIAGRAM**

10.70: Bow Mooring Arrangement Diagram null

**16 MANIFOLD ARRANGEMENT**

10.71: Manifold Arrangement Diagram null

10.72: Distance K end of drip tray to center line of deck cleat 800 Millimeters

10.73: Distance L spill tray to centre line of bollard 460 Millimeters

10.74: Distance M length of bollard 400 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)? 15 Tonnes

10.76.2: Date last tested Sunday, 16 Sep 2007

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? 3

**18 OTHER EQUIPMENT**

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

10.81: Does vessel have Suez Canal boat davits? No

10.82: Does vessel have Suez Canal projector? No

**11 Chapter 11****1 COMMUNICATIONS AND ELECTRONICS**

11.1: Is vessel certified for GMDSS? Yes

11.2: What GMDSS areas is the vessel classed for? A1 A2 A3 A4 A1, A2, A3

11.3: Transponder (SART) Yes

11.4: EPIRB Yes

11.5: How many VHF radios are fitted on the bridge? 2

11.6: Is vessel fitted with VHF in the cargo control room (CCR)? Yes

11.7: Is the CCR connected to the vessel's internal communication system? Yes

11.8: How many intrinsically safe walkie talkies are provided for cargo handling? 6

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 Yes  
telephones?
- 11.11: List any other communications equipment carried: INM-M
- 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
- 12.2: Does vessel have single or twin propellers? Single
- 12.3: Is vessel fitted with fixed or controllable pitch propeller(s)? Fixed Pitch
- 12.4: How many boilers are fitted? 2
- 12.4.1: What is rated output of boilers? 20 Tonnes/Hour
- 12.5: What type of fuel is used for main propulsion? IFO 380
- 12.6: Are pressurised fuel pipes double sheathed? Yes
- 12.7: When moored at SBM, is main engine capable of being run Yes  
astern at low revolutions for extended periods (up to 24  
hours continuously)?
- 12.8: Is vessel capable of maintaining speed below 5 Knots? Yes
- 12.9: Is vessel fitted for Unmanned Machinery Space (UMS) Yes  
operation?
- 12.9.1: Is vessel operated in UMS mode? Yes

### 2 THRUSTERS

- 12.10: Is vessel fitted with a bow thruster? Not applicable
- 12.10.1: If Yes, give Brake Horse Power
- 12.11: Is vessel fitted with a stern thruster? Not applicable
- 12.11.1: If Yes, give Brake Horse Power
- 12.12: Is vessel fitted with high angle rudder? Not applicable
- 12.12.1: If yes, what type

### 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 380
- 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 2
- 12.17: Operating pressure 30 Bar

12.18:	Motive power of emergency compressor	35 Cu Meter/Hour
<b>5</b>	<b>BUNKERS</b>	
12.19.1:	Fuel Oil (Tank Name)	NO. 1 (P)
12.19.2:	Fuel Oil (Capacity)	537.63 Cu Meters
12.19.3:	Diesel Oil (Tank Name)	DO Storage
12.19.4:	Diesel Oil (Capacity)	205.13 Cu Meters
12.19.5:	Gas Oil (Tank Name)	
12.19.6:	Gas Oil (Capacity)	
12.20.1:	Fuel Oil (Tank Name)	NO. 1 (S)
12.20.2:	Fuel Oil (Capacity)	537.63 Cu Meters
12.20.3:	Diesel Oil (Tank Name)	DO Service
12.20.4:	Diesel Oil (Capacity)	34.77 Cu Meters
12.20.5:	Gas Oil (Tank Name)	
12.20.6:	Gas Oil (Capacity)	
12.21.1:	Fuel Oil (Tank Name)	NO. 2 (P)
12.21.2:	Fuel Oil (Capacity)	532.09 Cu Meters
12.21.3:	Diesel Oil (Tank Name)	
12.21.4:	Diesel Oil (Capacity)	
12.21.5:	Gas Oil (Tank Name)	
12.21.6:	Gas Oil (Capacity)	
12.22.1:	Fuel Oil (Tank Name)	NO. 2 (S)
12.22.2:	Fuel Oil (Capacity)	286.74 Cu Meters
12.22.3:	Diesel Oil (Tank Name)	
12.22.4:	Diesel Oil (Capacity)	
12.22.5:	Gas Oil (Tank Name)	
12.22.6:	Gas Oil (Capacity)	
12.23.1:	Fuel Oil (Tank Name)	SETTL (P)
12.23.2:	Fuel Oil (Capacity)	34.4 Cu Meters
12.23.3:	Diesel Oil (Tank Name)	HFO SETT (P)
12.23.4:	Diesel Oil (Capacity)	34.77 Cu Meters
12.23.5:	Gas Oil (Tank Name)	
12.23.6:	Gas Oil (Capacity)	
12.24.1:	Fuel Oil (Tank Name)	SERV (P)
12.24.2:	Fuel Oil (Capacity)	34.4 Cu Meters
12.24.3:	Diesel Oil (Tank Name)	HFO SERV (P)
12.24.4:	Diesel Oil (Capacity)	34.77 Cu Meters
12.24.5:	Gas Oil (Tank Name)	
12.24.6:	Gas Oil (Capacity)	
12.25.1:	Fuel Oil (Tank Name)	SERV (C)

12.25.2:	Fuel Oil (Capacity)	34.4 Cu Meters
12.25.3:	Diesel Oil (Tank Name)	HFO SERV (C)
12.25.4:	Diesel Oil (Capacity)	69.54 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?	Hydraulic-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?	Yes
12.32:	Is there a permanently installed system for the disposal of residues from the machinery space sludge tank to shore?	Yes
12.33:	Are there facilities on board to incinerate machinery space 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 bitts in the manifold area?	25 Tonnes
13.4:	Are manifold bitts at least 35 metres away from the breastlines leading fore and aft?	Yes
13.5:	What is maximum outreach of vessel's cranes or derricks outboard of the ship's side?	9 Meters
13.6:	Are four (4) 200m x 40mm messenger lines available for Ship-To-Ship (STS) mooring operations?	Yes
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)?	Not applicable
14.2:	Is vessel equipped with an emergency portable cargo pump?	Not applicable

- 14.3: Are independent high level alarms fitted? Not applicable
- 14.4: Is a tank overflow control system fitted? Not applicable
- 14.4.1: Are these also fitted to deck tanks?
- 14.5: Are there cargo tank filling restrictions?
- 14.5.1: If yes
- 14.5.2: Filling restrictions are
- 14.6: Is the ship fitted with a fixed remote reading temperature system?
- 14.7: Is the ship fitted with a fixed remote pressure gauging equipment?
- 14.8: Specify other cargo measurement equipment available
- 14.9: Is an Efficient Stripping System fitted?
- 14.9.1: Are independent stripping lines fitted?
- 14.9.2: What is the material of stripping lines?
- 14.9.3: What is the diameter of the stripping lines?

## 2 IGS

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

## 3 TANK CONDITIONING

- 14.15: Is there a fixed ventilation system? No

- 14.15.1: What is the Total capacity?
- 14.16: Is the fixed ventilation system fitted with a dehumidifier ?
- 14.16.1: What is the Total capacity?
- 14.17: Is there independent piping?
- 14.17.1: Through cargo lines
- 14.17.2: Portable fans
- 14.17.3: Number:
- 14.17.4: Type:
- 14.17.5: Capacity (one)
- 14.18: Are there gas freeing stand pipes?
- 14.18.1: Portable:
- 14.18.2: Fixed

#### 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.? No
- 14.20: When required by the Chemical Code, is respiratory and eye protection for every person on board available for emergency escape purposes?
- 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)?
- 14.22: Is an Oxygen resuscitator available on board?
- 14.23: Are there at least two decontamination showers available on deck?

#### 5 CARGO AND OTHER MANIFOLDS

- 14.24: Total number of manifold connections per side
- 14.24.1.1: Number (Port)
- 14.24.1.2: Size (Port)
- 14.24.2.1: Number (Starboard)
- 14.24.2.2: Size (Starboard)
- 14.25: Designed Max. loading rate
- 14.26: Height of cargo vapour connections above keel
- 14.27: Located on both sides?
- 14.28: Is there an additional connection to cargo system on deck?
- 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
- 14.31: Dimension B
- 14.32: Dimension C

- 14.33: Dimension D
- 14.34: Dimension E
- 14.35: Dimension a
- 14.36: Dimension b
- 14.37: Dimension x
- 14.38: Dimension y
- 14.39: Dimension z
- 14.40: Dimension i
- 14.41: Dimension ii
- 14.42: Dimension iii

## 7 CARGO TANK PARTICULARS

- 14.43.1: TANK NUMBER
- 14.43.2: TANK LOCATION
- 14.43.3: IMO TYPE
- 14.43.4: CAPACITY 100%
- 14.43.5: MAX. LOAD RATE
- 14.43.6: MAX. TANK PRESSURE
- 14.43.7: MAX. VENTING CAPACITY
- 14.43.8: PRESSURE MONITOR
- 14.43.9: CARGO PUMP CAPACITY
- 14.43.10: STRIPPED ROB
- 14.43.11: HEATING MAX. TEMP
- 14.43.12: COOLING MIN. TEMP
- 14.43.13: CONSTRUCTION MATERIAL OR COATING
- 14.43.14: COATING DATE
- 14.43.15: HIGH LEVEL ALARM TYPE
- 14.43.16: HI/HI LEVEL ALARM TYPE
- 14.43.17: LEVEL GAUGE TYPE
- 14.43.18: VAPOUR LOCKS DIAMETER
- 14.43.19: CLOSED SAMPLE TYPE
- 14.44.1: TANK NUMBER
- 14.44.2: TANK LOCATION
- 14.44.3: IMO TYPE
- 14.44.4: CAPACITY 100%
- 14.44.5: MAX. LOAD RATE
- 14.44.6: MAX. TANK PRESSURE
- 14.44.7: MAX. VENTING CAPACITY
- 14.44.8: PRESSURE MONITOR
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14.45.1: TANK NUMBER  
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14.45.19: CLOSED SAMPLE TYPE  
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14.46.2: TANK LOCATION  
14.46.3: IMO TYPE  
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14.46.5: MAX. LOAD RATE  
14.46.6: MAX. TANK PRESSURE  
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14.58.1: TANK NUMBER  
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14.58.3: IMO TYPE  
14.58.4: CAPACITY 100%  
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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  
14.65.2: TANK LOCATION  
14.65.3: COATING DATE  
14.65.4: CAPACITY  
14.66.1: TANK NUMBER  
14.66.2: TANK LOCATION  
14.66.3: COATING DATE  
14.66.4: CAPACITY  
14.67.1: TANK NUMBER  
14.67.2: TANK LOCATION  
14.67.3: COATING DATE  
14.67.4: CAPACITY  
14.68.1: TANK NUMBER  
14.68.2: TANK LOCATION  
14.68.3: COATING DATE  
14.68.4: CAPACITY  
14.69.1: TANK NUMBER  
14.69.2: TANK LOCATION  
14.69.3: COATING DATE  
14.69.4: CAPACITY  
14.70.1: TANK NUMBER  
14.70.2: TANK LOCATION  
14.70.3: COATING DATE  
14.70.4: CAPACITY  
14.71.1: TANK NUMBER  
14.71.2: TANK LOCATION  
14.71.3: COATING DATE  
14.71.4: CAPACITY  
14.72.1: TANK NUMBER  
14.72.2: TANK LOCATION  
14.72.3: COATING DATE  
14.72.4: CAPACITY  
14.73.1: TANK NUMBER  
14.73.2: TANK LOCATION  
14.73.3: COATING DATE  
14.73.4: CAPACITY  
14.74.1: TANK NUMBER  
14.74.2: TANK LOCATION

14.74.3: COATING DATE  
14.74.4: CAPACITY  
14.75.1: TANK NUMBER  
14.75.2: TANK LOCATION  
14.75.3: COATING DATE  
14.75.4: CAPACITY  
14.76.1: TANK NUMBER  
14.76.2: TANK LOCATION  
14.76.3: COATING DATE  
14.76.4: CAPACITY  
14.77.1: TANK NUMBER  
14.77.2: TANK LOCATION  
14.77.3: COATING DATE  
14.77.4: CAPACITY  
14.78.1: TANK NUMBER  
14.78.2: TANK LOCATION  
14.78.3: COATING DATE  
14.78.4: CAPACITY  
14.79.1: TANK NUMBER  
14.79.2: TANK LOCATION  
14.79.3: COATING DATE  
14.79.4: CAPACITY  
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

## 9 TANK CLEANING SYSTEM

- 14.87: Is tank cleaning equipment fixed in cargo tanks? No
- 14.88: Is portable tank cleaning equipment available?
- 14.89: What is the capacity of one tank cleaning machine?
- 14.89.1: At pressure of:
- 14.89.2: Duration of complete cycle
- 14.89.3: Nozzle diameter
- 14.90: Tank washing pump capacity
- 14.91: Is a washing water heater fitted?
- 14.91.1: What is the Max. washing water temperature?
- 14.92: Maximum number of machines operative at pressure above
- 14.93: Where there is different type of equipment used, what is the capacity and type of equipment?

## 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? Yes
- 15.2: Do the Safety Construction and Safety Equipment Certificates identify the vessel as a 'tanker engaged in the trade of carrying oil other than crude oil'? Not applicable

### 2 CARGO INFORMATION

- 15.3: List products which the ship is Certified to carry

### 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)
- 15.46: Tank 2 (m3)
- 15.47:

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<Text>Propane from

tyle="float: left; width: 320px;">Tank 3 (m3)

- 15.48: Tank 4 (m3)
- 15.49: Tank 5 (m3)

15.50: