

<b>1.</b>	<b>VESSEL DESCRIPTION</b>		
1.1	Date updated:	Feb 21, 2018	
1.2	Vessel's name (IMO number):	Apolytares (9419474 )	
1.3	Vessel's previous name(s) and date(s) of change:	Not Applicable	
1.4	Date delivered / Builder (where built):	Apr 09, 2009 / Hyundai Heavy Industries Co Ltd	
1.5	Flag / Port of Registry:	Greece / Piraeus	
1.6	Call sign / MMSI:	SVAP8 / 240878000	
1.7	Vessel's contact details (satcom/fax/email etc.):	Tel: 773409665	
		Fax: 764897747	
		Email: m.apolytares.vsl@minervamarine.com	
1.8	Type of vessel (as described in Form A or Form B Q1.11 of the IOPPC):	Oil Tanker	
1.9	Type of hull:	Double Hull	
<b>Classification</b>			
1.10	Classification society:	American Bureau of Shipping	
1.11	Class notation:	+A1, Oil Carrier, (E), +AMS, +ACCU, VEC, CSR, Safety Ship - CM, ESP, UWILD, CRC, RW	
1.12	Is the vessel subject to any conditions of class, class extensions, outstanding memorandums or class recommendations? If yes, give details:	No N/A	
1.13	If classification society changed, name of previous and date of change:	N/A , Not Applicable	
1.14	IMO type, if applicable:	N/A	
1.15	Does the vessel have ice class? If yes, state what level:	No , N/A	
1.16	Date / place of last dry-dock:	May 03, 2014 / DUBAI	
1.17	Date next dry dock due / next annual survey due:	Apr 09, 2019	Apr 08, 2018
1.18	Date of last special survey / next special survey due:	May 03, 2014	Apr 09, 2019
1.19	If ship has Condition Assessment Program (CAP), what is the latest overall rating:	No , (Not applicable)	
1.20	Does the vessel have a statement of compliance issued under the provisions of the Condition Assessment Scheme (CAS): If yes, what is the expiry date?	N/A Not Applicable	
<b>Dimensions</b>			
1.21	Length overall (LOA):	336.17 m	
1.22	Length between perpendiculars (LBP):	324.218 m	
1.23	Extreme breadth (Beam):	60.00 m	
1.24	Moulded depth:	29.6 m	
1.25	Keel to masthead (KTM)/ Keel to masthead (KTM) in collapsed condition, if applicable:	65.39 m	0 m
1.26	Bow to center manifold (BCM) / Stern to center manifold (SCM):	169.12 m	167.05 m
1.27	Distance bridge front to center of manifold:	113.1 m	
1.28	Parallel body distances:	Lightship	Normal Ballast
	Forward to mid-point manifold:	75 m	76.1 m
	Aft to mid-point manifold:	35.6 m	59.2 m
	Parallel body length:	110.6 m	135.3 m
1.29	FWA/TPC at summer draft:	477 mm	182.32 MT
1.30	Constant (excluding fresh water):	400 MT	
1.31	What is the company guidelines for Under Keel Clearance (UKC) for this vessel?	Under Keel Clearance policy ----- ----- The following minimum Under Keel Clearance for each situation should be maintained. The following minimum Under Keel Clearance for each situation should be maintained. i. Ocean passages: 20% of the deepest draught; ii. Fairways and coastal waters: 15% of the deepest draught; iii. Inside ports and at SBM: 10% of the deepest draught. Where the vessel is required by operational	

		<p>considerations to reduce U.K.C below the values stated above (depending on the navigating circumstances it will be a case by case study), the Master must take full account of the factors listed above which govern determination of a minimum U.K.C. and consider a lesser Under Keel Clearance, which CAN NOT be less than two (2) feet/ 0,60 m when navigating in confined / restricted waters, narrow channels and inland waters and NOT less than one (1) foot / 0,30 m when alongside terminals / piers / jetties. Where voyage orders specify a draft or a cargo nomination that would result in an UKC less than the minimum required by the Company's policy and if there are local regulations, rules or recommendations by relevant authorities, which allow such reduced UKC, the Master should contact the Company in order to decide whether or not to comply with such voyage orders and/ or nominations. During transits of the Malacca and Singapore Straits vessels with draught 15m and above shall allow for an Under Keel Clearance (UKC) of at least 3,5 meters.</p>	
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1.32	What is the max height of mast above waterline (air draft)	Full Mast	Collapsed Mast
	Lightship:	61.87 m	0 m
	Normal ballast:	56.01 m	0 m
	At loaded summer deadweight:	43.365 m	0 m

**Tonnages**

1.33	Net Tonnage:	108612	
1.34	Gross Tonnage / Reduced Gross Tonnage (if applicable):	160619	128719
1.35	Suez Canal Tonnage - Gross (SCGT) / Net (SCNT):	161909.98	153392.15
1.36	Panama Canal Net Tonnage (PCNT):		

**Ownership and Operation**

1.37	Registered owner - Full style:	<p>Pendea S.A.  c/o Minerva Marine Inc. of the Marshall Islands, having established an office at: 141-143 Vouliagmenis Ave &amp; Aeolou Str.. 16673 Voula, Athens, Greece  Liberia  Tel: 0030 2108907500  Fax: 0030 2108907670  Telex: Not Applicable  Email: sq@minervamarine.com  Company IMO#: 1774869</p>		
1.38	Technical operator - Full style:	<p>Minerva Marine Inc.  141-143 Vouliagmenis Ave. &amp; Aeolou Str., 16673, Voula, Athens, Greece  Greece  Tel: 0030 2108907500  Fax: 0030 2108907670  Telex: Not Applicable  Email: sq@minervamarine.com</p>		
1.39	Commercial operator - Full style:	<p>Minerva Marine Inc.  141 - 143 Vouliagmenis Ave. &amp; Aeolou Str., 16673, Voula, Athens  Greece  Tel: +30 210 8907 500  Fax: +30 210 8907 670  Telex: Not Applicable  Email: op@minervamarine.com  Web: www.minervamarine.com</p>		
1.40	Disponent owner - Full style:	N/A		

2.	CERTIFICATION	Issued	Last Annual	Expires
2.1	Safety Equipment Certificate (SEC):	Mar 02, 2017	Mar 02, 2017	Apr 08, 2019
2.2	Safety Radio Certificate (SRC):	Mar 02, 2017	Mar 02, 2017	Apr 08, 2019
2.3	Safety Construction Certificate (SCC):	May 03, 2014	Mar 02, 2017	Apr 08, 2019

2.4	International Loadline Certificate (ILC):	May 03, 2014	Mar 02, 2017	Apr 08, 2019
2.5	International Oil Pollution Prevention Certificate (IOPPC):	Sep 05, 2017	Not Applicable	Apr 08, 2019
2.6	ISM Safety Management Certificate (SMC):	Jul 25, 2014	Mar 01, 2017	Sep 11, 2019
2.7	Document of Compliance (DOC):	Dec 11, 2017		Dec 19, 2022
2.8	USCG Certificate of Compliance (COC):	May 11, 2016	May 02, 2017	May 11, 2018
2.9	Civil Liability Convention (CLC) 1992 Certificate:	Jan 24, 2018	Not Applicable	Feb 20, 2019
2.10	Civil Liability for Bunker Oil Pollution Damage Convention (CLBC) Certificate:	Jan 24, 2018	Not Applicable	Feb 20, 2019
2.11	Ship Sanitation Control (SSCC)/Ship Sanitation Control Exemption (SSCE) Certificate:	Nov 04, 2017	Not Applicable	May 04, 2018
2.12	U.S. Certificate of Financial Responsibility (COFR):	Apr 30, 2015	Not Applicable	Apr 30, 2018
2.13	Certificate of Class (COC):	May 03, 2014	Mar 02, 2017	Apr 08, 2019
2.14	International Sewage Pollution Prevention Certificate (ISPPC)	Mar 31, 2014	Not Applicable	Apr 08, 2019
2.15	Certificate of Fitness (COF):	Not Applicable	Not Applicable	Not Applicable
2.16	International Energy Efficiency Certificate (IEEC):	Mar 31, 2014	Not Applicable	Not Applicable
2.17	International Ship Security Certificate (ISSC):	Jul 25, 2014	Mar 01, 2017	Sep 11, 2019
2.18	International Air Pollution Prevention Certificate (IAPPC):	Mar 31, 2014	Mar 02, 2017	Apr 08, 2019
2.19	Maritime Labour Certificate (MLC):	Jan 02, 2014	Not Applicable	Sep 02, 2018

#### Documentation

2.20	Owner warrant that vessel is member of ITOPF and will remain so for the entire duration of this voyage/contract:	Yes
2.21	Does vessel have in place a Drug and Alcohol Policy complying with OCIMF guidelines for Control of Drugs and Alcohol Onboard Ship?	Yes
2.22	Is the ITF Special Agreement on board (if applicable)?	Yes ((In discussions with ITF for Collective Bargain Agreement))
2.23	ITF Blue Card expiry date:	

#### 3. CREW

3.1	Nationality of Master:	Greek
3.2	Number and Nationality of Officers:	11 Greek, Filipino
3.3	Number and Nationality of Crew:	15 Filippino, Ukrainian, Greek
3.4	What is the common working language onboard:	English
3.5	Do officers speak and understand English:	Yes
3.6	If Officers/Crew employed by a Manning Agency - Full style:	<p>Officers: Minerva Marine Inc 141 - 143 Vouliagmenis Ave and Aeolou street, 16673, Voula, Athens, Greece Tel: +30 210 8907500 Fax: +30 210 8907670 Telex: 214544-5 Email: cr@minervamarine.com</p> <p>Crew: Minerva Marine Agency, Inc. Rm 202 2/F S&amp;L Bldg 1500, Roxas Blvd, Ermita 1000, Manila Philippines Tel: +639-189-622479 Fax: +63-2-5228482 Email: gm@minervamarineagency.onmicrosoft.com</p>

#### 4. FOR USA CALLS

4.1	Has the vessel Operator submitted a Vessel Spill Response Plan to the US Coast Guard which has been approved by official USCG letter?	Yes
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4.2	Qualified individual (QI) - Full style:	O' BRIEN'S RESPONSE MANAGEMENT 2000 OLD SPANISH TRAIL SUITE 210 SLIDELL, LA 70458 Tel: 001-985-7810804 Fax: 001-985-7810580 Telex: 49617361 OOPSUI Email: oops-usa@oopsusa.com
4.3	Oil Spill Response Organization (OSRO) - Full style:	NATIONAL RESPONSE CORPORATION (NRC) 3500 SUNRISE HIGHWAY GREAT RIVER, NEW YORK 11739, U.S.A. Tel: 001-631-2249141 Fax: 001-631-2249086/9082 Email: iocdo@nrcc.com

## 5. CARGO AND BALLAST HANDLING

### Double Hull Vessels

5.1	Is vessel fitted with centerline bulkhead in all cargo tanks? If Yes, solid or perforated:	No , Solid
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### Loadline Information

5.2	Loadline	Freeboard	Draft	Deadweight	Displacement
	Summer:	4.414 m	22.025 m	316679 MT	364497 MT
	Winter:	4.872 m	21.567 m	308334 MT	356152 MT
	Tropical:	3.956 m	22.483 m	325033 MT	372851 MT
	Lightship:	22.919 m	3.52 m	Not Applicable	47818 MT
	Normal Ballast Condition:	17.059 m	9.38 m	96887.2 MT	144705.2 MT

5.3	Does vessel have multiple SDWT? If yes, please provide all assigned loadlines:	Yes 299000
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### Cargo Tank Capacities

5.4	Number of cargo tanks and total cubic capacity (98%):	15	333138 m3
5.5	Capacity (98%) of each natural segregation with double valve (specify tanks):	Seg#1: 116504.5 m3 (1C+2C+4C+5W) Seg#2: 112705.6 m3 (1W+3C+4W+SLOP W) Seg#3: 110946.6 m3 (2W+3W+5C)	
5.6	Number of slop tanks and total cubic capacity (98%):	2	7018.8 m3
5.7	Specify segregations which slops tanks belong to and their capacity with double valve:	#2 7018,8M3	
5.8	Residual/Retention oil tank(s) capacity (98%), if applicable:	0 m3	
5.9	Does vessel have Segregated Ballast Tanks (SBT) or Clean Ballast Tanks (CBT):	SBT	

### SBT Vessels

5.10	What is total SBT capacity and percentage of SDWT vessel can maintain?	101085 m3	34.7 %
5.11	Does vessel meet the requirements of MARPOL Annex I Reg 18.2:	Yes	

### Cargo Handling and Pumping Systems

5.12	How many grades/products can vessel load/discharge with double valve segregation:	3			
5.13	Are there any cargo tank filling restrictions? If yes, specify number of slack tanks, max s.g., ullage restrictions etc.:	No N/A			
5.14	Pumps:	No.	Type	Capacity	At What Head (sg=1.0)
	Cargo Pumps:	3	Centrifugal	5000 M3/HR	150 Meters 150 Meters 150 Meters
	Cargo Eductors:	2	Other	800 m3/hr	25 m
	Stripping:	1	Reciprocating	400 m3/hr	150 m
	Ballast Pumps:	2	Steam	3000 m3/hr	35 m
	Ballast Eductors:	2	Positive Displacement	500 m3/hr	25 m
5.15	Max loading rate for homogenous cargo per manifold connection:	20500 m3/hr			
5.16	Max loading rate for homogenous cargo loaded simultaneously through all manifolds:	20500 m3/hr			
5.17	How many cargo pumps can be run simultaneously at full capacity:	3			

<b>Cargo Control Room</b>				
5.18	Is ship fitted with a Cargo Control Room (CCR)?		Yes	
5.19	Can tank innage / ullage be read from the CCR?		Yes	
<b>Gauging and Sampling</b>				
5.20	Can cargo be transferred under closed loading conditions in accordance with ISGOTT 11.1.6.6?		Yes	
5.21	What type of fixed closed tank gauging system is fitted:	Radar		
5.22	Number of portable gauging units (example- MMC) on board:		3	
5.23	Are overfill (high) alarms fitted? If Yes, indicate whether to all tanks or partial:	Yes , All		
5.24	Are cargo tanks fitted with multipoint gauging? If yes, specify type and locations:	Yes , UTI		
5.25	Is gauging system certified and calibrated? If no, specify which ones are not calibrated:	Yes ,		
<b>Vapor Emission Control System (VECS)</b>				
5.26	Is a Vapour Emission Control System (VECS) fitted?	Yes		
5.27	Number/size of VECS manifolds (per side):	2	400 mm	
5.28	Number / size / type of VECS reducers:	4 PCS 24"X16" 2 PCS 24"X12" 1 PC 24"X10" ANSI 150LB FLAT FACE		
<b>Venting</b>				
5.29	State what type of venting system is fitted:	Mast Riser/High velocity		
<b>Cargo Manifolds and Reducers</b>				
5.30	Does vessel comply with the latest edition of the OCIMF 'Recommendations for Oil Tanker Manifolds and Associated Equipment'?	Yes		
5.31	Total number / size of cargo manifold connections on each side:	3 / 650 mm		
5.32	What type of valves are fitted at manifold:	Butterfly		
5.33	What is the material/rating of the manifold:	Steel / 1,2,3		
5.34	Does the vessel have a Common Line Manifold connection? If yes, describe:	YES, CROSSOVER		
5.35	Distance between cargo manifold centers:	3000 mm		
5.36	Distance ships rail to manifold:	4600 mm		
5.37	Distance manifold to ships side:	5100 mm		
5.38	Top of rail to center of manifold:	700 mm		
5.39	Distance main deck to center of manifold:	2100 mm		
5.40	Spill tank grating to center of manifold:	900 mm		
5.41	Manifold height above the waterline in normal ballast / at SDWT condition:	22.2 m	9.7 m	
5.42	Number / size / type of reducers:	6 x 650/500mm (26/20") 3 x 650/400mm (26/16") 3 x 650/300mm (26/12") 1 x 300/200mm (12/8") 1 x 254/200mm (10/8") ANSI		
5.43	Is vessel fitted with a stern manifold? If yes, state size:	No , 0 mm		
<b>Heating</b>				
5.44	Cargo / slop tanks fitted with a cargo heating system?	Type	Coiled	Material
	Cargo tanks:	HEATING COILS IN SLOPS ONLY	No	Other
	Slop tanks:	STEAM HEATING COILS	Yes	ALU BRASS
5.45	Maximum temperature cargo can be loaded / maintained:	71.1 Â°C / 160.0 Â°F		0 Â°C / 32 Â°F
5.46	Minimum temperature cargo can be loaded / maintained:	0.0 Â°C / 32.0 Â°F		0.0 Â°C / 32.0 Â°F
<b>Coating / Anodes</b>				
5.47	Tank Coating	Coated	Type	To What Extent
	Cargo tanks:	Yes	EPOXY ANTI ABRASIVE	Top and Botom, 0,5 meters, Slop tanks are fully coated
	Ballast tanks:	Yes	epoxy	Full
				Anodes
				No
				Yes

	Slop tanks:	Yes	EPOXY ANTI ABRASIVE	Whole Tank	No	
<b>6. INERT GAS AND CRUDE OIL WASHING</b>						
6.1	Is a Crude Oil Washing (COW) installation fitted / operational?			Yes / Yes		
6.2	Is an Inert Gas System (IGS) fitted / operational?			Yes / Yes		
6.3	Is IGS supplied by flue gas, inert gas (IG) generator and/or nitrogen:			Flue Gas		
<b>7. MOORING</b>						
7.1	Wires (on drums)	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	6	42 mm	Steel	275 m	115 MT
	Main deck fwd:	4	42 mm	Steel	275 m	115 MT
	Main deck aft:	4	42 mm	Steel	275 m	115 MT
	Poop deck:	6	42 mm	Steel	275 m	115 MT
7.2	Wire tails	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	6	95 mm	Nylon	11 m	158 MT
	Main deck fwd:	4	95 mm	Nylon	11 m	158 MT
	Main deck aft:	4	95 mm	Nylon	11 m	158 MT
	Poop deck:	6	95 mm	Nylon	11 m	158 MT
7.3	Ropes (on drums)	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	0	mm	Not Applicable	m	MT
	Main deck fwd:		mm	Not Applicable	m	MT
	Main deck aft:		mm	Not Applicable	m	MT
	Poop deck:		mm	Not Applicable	m	MT
7.4	Other lines	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	2	90 mm	P/P + additives	220 m	105 MT
	Main deck fwd:	6	70 mm	Polyester/Polysteel	220 m	105 MT
	Main deck aft:	2	90 mm	PP + additives	220 m	105 MT
	Poop deck:	6	70 mm	Polyester/Polysteel	220 m	96 MT
7.5	Winches	No.	No. Drums	Motive Power	Brake Capacity	Type of Brake
	Forecastle:	3	Double Drums	Electro-Hydraulic	69 MT	MANUAL
	Main deck fwd:	2	Double Drums	Electro-Hydraulic	69 MT	MANUAL
	Main deck aft:	2	Double Drums	Electro-Hydraulic	69 MT	MANUAL
	Poop deck:	3	Double Drums	Electro-Hydraulic	69 MT	MANUAL
7.6	Bits, closed chocks/fairleads		No. Bits	SWL Bits	No. Closed Chocks	SWL Closed Chocks
	Forecastle:		4	103 MT	7	103 MT
	Main deck fwd:		7	103 MT	19	103 MT
	Main deck aft:		7	103 MT	15	103 MT
	Poop deck:		5	103 MT	13	103 MT
<b>Anchors/Emergency Towing System</b>						
7.7	Number of shackles on port / starboard cable:			14 / 14		
7.8	Type / SWL of Emergency Towing system forward:			Tongue Type	200 MT	
7.9	Type / SWL of Emergency Towing system aft:			Strong Point	200 MT	
<b>Escort Tug</b>						
7.10	What is size / SWL of closed chock and/or fairleads of enclosed type on stern:			600 x 450	200 MT	
7.11	What is SWL of bollard on poop deck suitable for escort tug:			200 MT		
<b>Bow/Stern Thruster</b>						
7.12	What is brake horse power of bow thruster (if fitted):			No , 0 bhp		
7.13	What is brake horse power of bow thruster (if fitted):			No , 0 bhp		

<b>Single Point Mooring (SPM) Equipment</b>			
7.14	Does the vessel meet the recommendations in the latest edition of OCIMF 'Recommendations for Equipment Employed in the Bow Mooring of Conventional Tankers at Single Point Moorings (SPM)'?		
7.15	If fitted, how many chain stoppers:	2	
7.16	State type / SWL of chain stopper(s):	Tongue type	350 MT
7.17	What is the maximum size chain diameter the bow stopper(s) can handle:	76 mm	
7.18	Distance between the bow fairlead and chain stopper/bracket:	2960 mm	
7.19	Is bow chock and/or fairlead of enclosed type of OCIMF recommended size (600mm x 450mm)? If not, give details of size:	Yes 600 x 450	
<b>Lifting Equipment</b>			
7.20	Derrick / Crane description (Number, SWL and location):		Cranes: 2 x 20 Tonnes PORT + STBD
7.21	What is maximum outreach of cranes / derricks outboard of the ship's side:		9.3 m
<b>Ship To Ship Transfer (STS) / Helicopter Operations</b>			
7.22	Does vessel comply with recommendations contained in OCIMF/ICS Ship To Ship Transfer Guide (Petroleum, Chemicals or Liquefied Gas, as applicable)?		Yes
7.23	Can the ship comply with the ICS Helicopter Guidelines? If Yes, state whether winching or landing area provided and diameter of the circle provided:		Yes , Landing 21 m
<b>8. MISCELLANEOUS</b>			
<b>Engine</b>			
8.1	Speed	Maximum	Economic
	Ballast speed:	14.5 Kts (WSNP)	11 Kts (WSNP)
	Laden speed:	14 Kts (WSNP)	12 Kts (WSNP)
8.2	What type of fuel is used for main propulsion?		HFO 380      HFO 380 cst
8.3	Type / Capacity of bunker tanks:		Fuel Oil: 7773 m3 Diesel Oil: 376.9 m3 Gas Oil: 0 m3
8.4	Is vessel fitted with fixed or controllable pitch propeller(s):		Fixed
8.5	Engines	No	Capacity
	Main engine:	1	29340 Kw
	Aux engine:	3	1200 Kw
	Power packs:	NOT APPLICABLE	m3
	Boilers:	2	4.5 MT/Hr
			HYUNDAI BW 6S90MC-C MK7 HYUNDAI HIMSEN 7H21/32 NOT APPLICABLE MITSUBISHI AUX BOILER MAC-45B
<b>Emissions</b>			
8.6	Main engine IMO NOx emission standard:		Tier I
8.7	Energy Efficiency Design Index (EEDI) rating number:		N/A
<b>Insurance</b>			
8.8	P & I Club - Full Style:	The Standard Club Europe Ltd. c/o CHARLES TAYLOR & CO. LIMITED STANDARD HOUSE, 12/13 ESSEX STR LONDON WC2R 3AA UNITED KINGDOM Tel: 0044-20-33208888 Email: pandi.london@ctplc.com	
8.9	P & I Club pollution liability coverage / expiration date:		100000000 US\$      Feb 20, 2019
8.10	Hull & Machinery insured by - Full Style:	Pls be advised that H&M Insurance Leaders are "SIAT SOCIETA' ITALIANA ASSICURAZIONI E RIASSICURAZIONI"/Italy. C/O Cambiaso Rizzo Marine S.p.A Corso Andrea Podesta 1 - 16128 Genova Tel: + 39 010 57141 Fax: + 39 010 5714374	
8.11	Hull & Machinery insured value / expiration date:		50000000 US\$      Jun 18, 2018
<b>Recent Operational History</b>			
8.12	Date and place of last Port State Control inspection:		May 02, 2017 / SAN DIEGO

8.13	Any outstanding deficiencies as reported by any Port State Control? If yes, provide details:	No N/A
8.14	Has vessel been involved in a pollution, grounding, serious casualty or collision incident during the past 12 months? If yes, full description:	Pollution: No , N/A Grounding: No , N/A Casualty: No , N/A Collision: No , N/A
8.15	Last three cargoes / charterers / voyages (Last / 2nd Last / 3rd Last):	
8.16	Date/place of last STS operation:	07th Dec 2017 - LA PALOMA TSA, URUGUAY
<b>Vetting</b>		
8.17	Date of last SIRE inspection:	Jan 20, 2018
8.18	Date of last CDI inspection:	Not Applicable
8.19	Recent Oil company inspections/screenings (To the best of owners knowledge and without guarantee of acceptance for future business)*:  <i>*"Approvals" are not given by Oil Majors and ships are accepted for the voyage on a case by case basis.</i>	Contact owner for details.
<b>Additional Information</b>		
8.20	Additional information relating to features of the ship or operational characteristics:	NO
Version 4 ( <a href="#">INTERTANKO</a> / <a href="#">Q88.com</a> )		



**Q88 - INTERTANKO Standard Tanker Questionnaire (Ver. 4)**

<b>1. VESSEL DESCRIPTION</b>		
1.1	Date updated:	<b>Feb 14, 2018</b>
1.2	Vessel's name (IMO number):	Fontana (9792541 )
1.3	Vessel's previous name(s) and date(s) of change:	Not Applicable
1.4	Date delivered / Builder (where built):	Jul 18, 2017 / SWS Shipyard Shanghai P.R. China
1.5	Flag / Port of Registry:	Malta / Valletta
1.6	Call sign / MMSI:	9HA4422 / 249896000
1.7	Vessel's contact details (satcom/fax/email etc.):	Tel: 00302112340612
		Fax: N/A
		Email: fontana@gtships.com
1.8	Type of vessel (as described in Form A or Form B Q1.11 of the IOPPC):	Oil Tanker
1.9	Type of hull:	Double Hull
<b>Classification</b>		
1.10	Classification society:	Bureau Veritas
1.11	Class notation:	I, H&M Oil Tanker CSR CPS (WBT) ESP Unrestricted Navigation ACCESS, CPS (COT) + AUT-UMS, MO-SHAFT, BWT, CLEANSHIP, GREEN PASSPORT, PROTECTED FO TANK +ALP, ERS-S, INWATERSURVEY, SPM, VCS-TRANSFER
1.12	Is the vessel subject to any conditions of class, class extensions, outstanding memorandums or class recommendations? If yes, give details:	No
1.13	If classification society changed, name of previous and date of change:	,
1.14	IMO type, if applicable:	N/A
1.15	Does the vessel have ice class? If yes, state what level:	No ,
1.16	Date / place of last dry-dock:	/
1.17	Date next dry dock due / next annual survey due:	Jul 18, 2022                      Jul 17, 2022
1.18	Date of last special survey / next special survey due:	Jul 18, 2017                      Jul 17, 2022

1.19	If ship has Condition Assessment Program (CAP), what is the latest overall rating:	No ,		
1.20	Does the vessel have a statement of compliance issued under the provisions of the Condition Assessment Scheme (CAS): If yes, what is the expiry date?	N/A		
<b>Dimensions</b>				
1.21	Length overall (LOA):	274.00 m		
1.22	Length between perpendiculars (LBP):	267 m		
1.23	Extreme breadth (Beam):	48.00 m		
1.24	Moulded depth:	23.40 m		
1.25	Keel to masthead (KTM)/ Keel to masthead (KTM) in collapsed condition, if applicable:	m	m	
1.26	Bow to center manifold (BCM) / Stern to center manifold (SCM):	137.20 m	137 m	
1.27	Distance bridge front to center of manifold:	89.60 m		
1.28	Parallel body distances:	Lightship	Normal Ballast	Summer Dwt
	Forward to mid-point manifold:	35.92 m	69.76 m	70.29 m
	Aft to mid-point manifold:	31.70 m	48.91 m	62.49 m
	Parallel body length:	67.62 m	118.68 m	132.78 m
1.29	FWA/TPC at summer draft:	386 mm	119.80 MT	
1.30	Constant (excluding fresh water):	350 MT		
1.31	What is the company guidelines for Under Keel Clearance (UKC) for this vessel?	Ocean Passages: 50% of Max Draft Port: 0.6 metres At Sea: In coastal waters the min UKC = 10% of max draft When under pilotage the min UKC = 0.6 meters		
1.32	What is the max height of mast above waterline (air draft)	Full Mast	Collapsed Mast	
	Lightship:	43.64 m	0 m	
	Normal ballast:	39.10 m	0 m	
	At loaded summer deadweight:	31.182 m	0 m	
<b>Tonnages</b>				
1.33	Net Tonnage:	51586		
1.34	Gross Tonnage / Reduced Gross Tonnage (if applicable):	82870		
1.35	Suez Canal Tonnage - Gross (SCGT) / Net (SCNT):	83665.03	77385.42	

1.36	Panama Canal Net Tonnage (PCNT):				74331
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**Ownership and Operation**

1.37	Registered owner - Full style:	<p>FELICIA OWNING COMPANY LIMITED          TRUST COMPANY COMPLEX, AJELTAKE ISLAND, MAJURO, MH 96960 Marshall Islands          Marshall Islands          Tel: c/o TMS Tankers Ltd          Fax: c/o TMS Tankers Ltd          Telex: c/o TMS Tankers Ltd          Email: c/o TMS Tankers Ltd          Web: c/o TMS Tankers Ltd          Company IMO#: 5942351</p>			
1.38	Technical operator - Full style:	<p>TMS TANKERS LTD          Omega Building 80 Kifissias Avenue 15125 Amaroussion Greece          Greece          Tel: +30 2108090400          Fax: +30 2108090305          Telex: +30 2108090305          Email: qa@tms-tankers.com          Web: www.tms-tankers.com</p>			
1.39	Commercial operator - Full style:	<p>TMS TANKERS LTD          Omega Building, 80 Kifissias Avenue 15125 Amaroussion          Greece          Tel: +30 2108090310          Fax: +30 2108090305          Email: operations@tms-tankers.com          Web: http://www.tms-tankers.com</p>			
1.40	Disponent owner - Full style:	<p>TMS TANKERS LTD          Omega Building, 80 Kifissias Avenue 15125 Marousi Greece          Email: operations@tms-tankers.com          Web: http://www.tms-tankers.com</p>			

2.	CERTIFICATION	Issued	Last Annual	Expires
2.1	Safety Equipment Certificate (SEC):	Aug 15, 2017	Jul 18, 2017	Jul 20, 2022
2.2	Safety Radio Certificate (SRC):	Aug 15, 2017	Jul 18, 2017	Jul 17, 2022
2.3	Safety Construction Certificate (SCC):	Aug 15, 2017	Jul 18, 2017	Jul 17, 2022
2.4	International Loadline Certificate (ILC):	Aug 15, 2017	Jul 18, 2017	Jul 17, 2022
2.5	International Oil Pollution Prevention Certificate (IOPPC):	Aug 15, 2017	Jul 18, 2017	Jul 17, 2022
2.6	ISM Safety Management Certificate (SMC):	Jan 03, 2018		Jan 03, 2023

2.7	Document of Compliance (DOC):	Dec 19, 2016		Dec 31, 2021
2.8	USCG Certificate of Compliance (COC):			
2.9	Civil Liability Convention (CLC) 1992 Certificate:	Feb 20, 2018	Not Applicable	Feb 20, 2019
2.10	Civil Liability for Bunker Oil Pollution Damage Convention (CLBC) Certificate:	Feb 20, 2018	Not Applicable	Feb 20, 2019
2.11	Ship Sanitation Control (SSCC)/Ship Sanitation Control Exemption (SSCE) Certificate:	Jan 03, 2018	Not Applicable	Jul 03, 2018
2.12	U.S. Certificate of Financial Responsibility (COFR):	Jul 20, 2017	Not Applicable	Aug 02, 2020
2.13	Certificate of Class (COC):	Jul 18, 2017	Jul 18, 2017	Jul 17, 2022
2.14	International Sewage Pollution Prevention Certificate (ISPPC)	Aug 15, 2017	Not Applicable	Jul 17, 2022
2.15	Certificate of Fitness (COF):			
2.16	International Energy Efficiency Certificate (IEEC):	Jul 18, 2017	Not Applicable	Not Applicable
2.17	International Ship Security Certificate (ISSC):	Jan 03, 2018		Jan 03, 2023
2.18	International Air Pollution Prevention Certificate (IAPPC):	Aug 15, 2017	Jul 18, 2017	Jul 17, 2022
2.19	Maritime Labour Certificate (MLC):	Jan 03, 2018	Not Applicable	Jan 03, 2023
<b>Documentation</b>				
2.20	Owner warrant that vessel is member of ITOPF and will remain so for the entire duration of this voyage/contract:		Yes	
2.21	Does vessel have in place a Drug and Alcohol Policy complying with OCIMF guidelines for Control of Drugs and Alcohol Onboard Ship?		Yes	
2.22	Is the ITF Special Agreement on board (if applicable)?		No	
2.23	ITF Blue Card expiry date:		Dec 31, 2018	
<b>3. CREW</b>				
3.1	Nationality of Master:		Greek	
3.2	Number and Nationality of Officers:		Officers: 10 Crew: Greek // Romanian // Filipino // Ukrainian	
3.3	Number and Nationality of Crew:		Officers: 14 Crew: Greek // Filipino	

3.4	What is the common working language onboard:	English	
3.5	Do officers speak and understand English?	Yes	
3.6	If Officers/Crew employed by a Manning Agency - Full style:	<p>Officers:  Tms Tankers Ltd  Omega Building, 80 Kifisias Avenue 15125 Marousi Greece  Tel: +302108090400  Fax: +302108090405  Email: crew@tms-tankers.com</p> <p>Crew:  CARDIFF CREWING FILIPINAS  10th Floor De Leon Building 1151 M.H. Del Pilar cor. Nuestra Senora de Guia Sts. Ermita 10000  Manila Philippines  Tel: +632 708 3165  Fax: +632 708 3166  Email: info@cardiff-filipinas.com</p>	
<b>4. FOR USA CALLS</b>			
4.1	Has the vessel Operator submitted a Vessel Spill Response Plan to the US Coast Guard which has been approved by official USCG letter?	Yes	
4.2	Qualified individual (QI) - Full style:	O'Brien's Oil Pollution Service Morgan Lane, Suite 103 Plainsboro, New Jersey 08536 USA Tel: +1 9857810804 Fax: +19857810580 / +1 60 Email: vesselservices@obriensrm.com Web: www.nrcc.com	
4.3	Oil Spill Response Organization (OSRO) - Full style:	National Response Corporation 3500 Sunrise Highway, Building 200, Suite 200 Great River, New York 11739 U.S.A. Tel: +1 6312249141 Fax: +1 631 224 90862 Email: iocdo@nrcc.com Web: www.nrcc.com	
<b>5. CARGO AND BALLAST HANDLING</b>			
<b>Double Hull Vessels</b>			
5.1	Is vessel fitted with centerline bulkhead in all cargo tanks? If Yes, solid or perforated:	Yes , Solid	
<b>Loadline Information</b>			
5.2	Loadline	Freeboard      Draft      Deadweight      Displacement	

	Summer:	6.221 m	17.218 m	159855 MT	184788 MT
	Winter:	6.579 m	16.86 m	155570 MT	180503 MT
	Tropical:	5.863 m	17.576 m	164146 MT	189079 MT
	Lightship:	20501 m	2.973 m	Not Applicable	25247 MT
	Normal Ballast Condition:	15.600 m	7.80 m	52729 MT	77976 MT
5.3	Does vessel have multiple SDWT? If yes, please provide all assigned loadlines:			Yes 99,999 MT 124,999 MT 129,999 MT	
<b>Cargo Tank Capacities</b>					
5.4	Number of cargo tanks and total cubic capacity (98%):			12	171751 m3
5.5	Capacity (98%) of each natural segregation with double valve (specify tanks):			No. 1: 58876.3 (1,4 & SL P/S) No. 2: 59385.2 (2 & 5 P/S) No. 3: 53489.5 (3 & 6 P/S)	
5.6	Number of slop tanks and total cubic capacity (98%):			2	4656.8 m3
5.7	Specify segregations which slops tanks belong to and their capacity with double valve:			No 1: 2328.4 each	
5.8	Residual/Retention oil tank(s) capacity (98%), if applicable:			m3	
5.9	Does vessel have Segregated Ballast Tanks (SBT) or Clean Ballast Tanks (CBT):			SBT	
<b>SBT Vessels</b>					
5.10	What is total SBT capacity and percentage of SDWT vessel can maintain?			50734.70 m3	32.50 %
5.11	Does vessel meet the requirements of MARPOL Annex I Reg 18.2:			Yes	
<b>Cargo Handling and Pumping Systems</b>					
5.12	How many grades/products can vessel load/discharge with double valve segregation:			3	
5.13	Are there any cargo tank filling restrictions? If yes, specify number of slack tanks, max s.g., ullage restrictions etc.:			Yes 98%	
5.14	Pumps:	No.	Type	Capacity	At What Head (sg=1.0)
	Cargo Pumps:	3	Centrifugal	4000 M3/HR	135 Meters 135 Meters 135 Meters
	Cargo Eductors:	1		500 m3/hr	25 m
	Stripping:	1	Reciprocating	300 m3/hr	135 m

	Ballast Pumps:	2	Centrifugal	2000 m3/hr	35 m
	Ballast Eductors:	1		500 m3/hr	23 m
5.15	Max loading rate for homogenous cargo per manifold connection:				5000 m3/hr
5.16	Max loading rate for homogenous cargo loaded simultaneously through all manifolds:				15000 m3/hr
5.17	How many cargo pumps can be run simultaneously at full capacity:				3
<b>Cargo Control Room</b>					
5.18	Is ship fitted with a Cargo Control Room (CCR)?			Yes	
5.19	Can tank innage / ullage be read from the CCR?			Yes	
<b>Gauging and Sampling</b>					
5.20	Can cargo be transferred under closed loading conditions in accordance with ISGOTT 11.1.6.6?			Yes	
5.21	What type of fixed closed tank gauging system is fitted:		Radar		
5.22	Number of portable gauging units (example- MMC) on board:				2
5.23	Are overfill (high) alarms fitted? If Yes, indicate whether to all tanks or partial:		Yes , All		
5.24	Are cargo tanks fitted with multipoint gauging? If yes, specify type and locations:		Yes , Fore, Mid, Aft		
5.25	Is gauging system certified and calibrated? If no, specify which ones are not calibrated:		Yes ,		
<b>Vapor Emission Control System (VECS)</b>					
5.26	Is a Vapour Emission Control System (VECS) fitted?		Yes		
5.27	Number/size of VECS manifolds (per side):	2			400 mm
5.28	Number / size / type of VECS reducers:		4 pcs principal fitting & 2 reserved reducer stock / ANSI 150* 12* 20in		
<b>Venting</b>					
5.29	State what type of venting system is fitted:		High Velocity PV valves // Mast riser		
<b>Cargo Manifolds and Reducers</b>					
5.30	Does vessel comply with the latest edition of the OCIMF 'Recommendations for Oil Tanker Manifolds and Associated Equipment'?			Yes	
5.31	Total number / size of cargo manifold connections on each side:		3 / 600 mm		
5.32	What type of valves are fitted at manifold:		Butterfly		

5.33	What is the material/rating of the manifold:	Steel / Sch 80			
5.34	Does the vessel have a Common Line Manifold connection? If yes, describe:	Yes / A crossing line near starboard manifold			
5.35	Distance between cargo manifold centers:	2500 mm			
5.36	Distance ships rail to manifold:	4450 mm			
5.37	Distance manifold to ships side:	4600 mm			
5.38	Top of rail to center of manifold:	733 mm			
5.39	Distance main deck to center of manifold:	2090 mm			
5.40	Spill tank grating to center of manifold:	920 mm			
5.41	Manifold height above the waterline in normal ballast / at SDWT condition:	17.79 m	8.29 m		
5.42	Number / size / type of reducers:	8 x 600/400mm (24/16") 4 x 600/300mm (24/12") 4 x 600/250mm (24/10") 4 x 600/450mm (24/18") 2 x 600/500mm (24/20")			
5.43	Is vessel fitted with a stern manifold? If yes, state size:	No , mm			
<b>Heating</b>					
	Cargo / slop tanks fitted with a cargo heating system?	Type	Coiled	Material	
5.44	Cargo Tanks	Steam	Yes		
	Slop Tanks:	Steam	Yes	SUS316L	
5.45	Maximum temperature cargo can be loaded / maintained:	66.0 °C / 150.8 °F		57.3 °C / 135.14 °F	
5.46	Minimum temperature cargo can be loaded / maintained:	0.0 °C / 32.0 °F		0.0 °C / 32.0 °F	
<b>Coating / Anodes</b>					
	Tank Coating	Coated	Type	To What Extent	Anodes
5.47	Cargo tanks:	Yes	PSPC Pure epoxy	Top 3 mtrs Bottom 0.5 mtrs	No
	Ballast tanks:	Yes	PSPC Pure epoxy	100 %	Yes
	Slop tanks:	Yes	PSPC Pure epoxy	100 %	No
<b>6. INERT GAS AND CRUDE OIL WASHING</b>					



6.1	Is a Crude Oil Washing (COW) installation fitted / operational?					Yes / Yes	
6.2	Is an Inert Gas System (IGS) fitted / operational?					Yes / Yes	
6.3	Is IGS supplied by flue gas, inert gas (IG) generator and/or nitrogen:				Flue Gas		
<b>7. MOORING</b>							
7.1	Wires (on drums)	No.	Diameter		Material	Length	Breaking Strength
	Forecastle:	4	36 mm	Steel		275 m	84 MT
	Main deck fwd:	4	36 mm	Steel		275 m	84 MT
	Main deck aft:	2	36 mm	Steel		275 m	84 MT
	Poop deck:	6	36 mm	Steel		275 m	84 MT
7.2	Wire tails	No.	Diameter		Material	Length	Breaking Strength
	Forecastle:	4	80 mm	Nylon		11 m	124 MT
	Main deck fwd:	4	80 mm	Nylon		11 m	124 MT
	Main deck aft:	2	80 mm	Nylon		11 m	124 MT
	Poop deck:	6	80 mm	Nylon		11 m	124 MT
7.3	Ropes (on drums)	No.	Diameter		Material	Length	Breaking Strength
	Forecastle:		mm			m	MT
	Main deck fwd:		mm			m	MT
	Main deck aft:		mm			m	MT
	Poop deck:		mm			m	MT
7.4	Other lines	No.	Diameter		Material	Length	Breaking Strength
	Forecastle:	6	73 mm	Polyester & Nikasteel		220 m	84 MT
	Main deck fwd:	1	38 mm	Steel		60 m	100 MT
	Main deck aft:	1	38 mm	Steel		60 m	100 MT
	Poop deck:	4	40 mm	Polyester & Nikasteel		220 m	34 MT
7.5	Winches	No.	No. Drums	Motive Power	Brake Capacity	Type of Brake	

	Forecastle:	2	Double Drums	Hydraulic	67.20 MT	Manual
	Main deck fwd:	2	Double Drums	Hydraulic	67.20 MT	Manual
	Main deck aft:	1	Double Drums	Hydraulic	67.20 MT	Manual
	Poop deck:	3	Double Drums	Hydraulic	67.20 MT	Manual
7.6	Bitts, closed chocks/fairleads	No. Bitts	SWL Bitts	No. Closed Chocks	SWL Closed Chocks	
	Forecastle:	5	84 MT	10	84 MT	
	Main deck fwd:	6	84 MT	14	84 MT	
	Main deck aft:	4	84 MT	10	84 MT	
	Poop deck:	6	84 MT	14	84 MT	
<b>Anchors/Emergency Towing System</b>						
7.7	Number of shackles on port / starboard cable:			13 / 14		
7.8	Type / SWL of Emergency Towing system forward:			350TON (SPM)	204 MT	
7.9	Type / SWL of Emergency Towing system aft:			KETA 40A	204 MT	
<b>Escort Tug</b>						
7.10	What is size / SWL of closed chock and/or fairleads of enclosed type on stern:			204 MT		
7.11	What is SWL of bollard on poop deck suitable for escort tug:			204 MT		
<b>Bow/Stern Thruster</b>						
7.12	What is brake horse power of bow thruster (if fitted):			N/A , bhp		
7.13	What is brake horse power of stern thruster (if fitted):			N/A , bhp		
<b>Single Point Mooring (SPM) Equipment</b>						
7.14	Does the vessel meet the recommendations in the latest edition of OCIMF 'Recommendations for Equipment Employed in the Bow Mooring of Conventional Tankers at Single Point Moorings (SPM)'?			Yes		
7.15	If fitted, how many chain stoppers:			2		
7.16	State type / SWL of chain stopper(s):			Tongue Type	350 MT	
7.17	What is the maximum size chain diameter the bow stopper(s) can handle:			76 mm		
7.18	Distance between the bow fairlead and chain stopper/bracket:			2875 mm		
7.19	Is bow chock and/or fairlead of enclosed type of OCIMF recommended size (600mm x 450mm)? If not, give			Yes		

	details of size:		
<b>Lifting Equipment</b>			
7.20	Derrick / Crane description (Number, SWL and location):	Cranes: 2 x 20 Tonnes Port & Starboard	
7.21	What is maximum outreach of cranes / derricks outboard of the ship's side:	7.04 m	
<b>Ship To Ship Transfer (STS) / Helicopter Operations</b>			
7.22	Does vessel comply with recommendations contained in OCIMF/ICS Ship To Ship Transfer Guide (Petroleum, Chemicals or Liquefied Gas, as applicable)?	Yes	
7.23	Can the ship comply with the ICS Helicopter Guidelines? If Yes, state whether winching or landing area provided and diameter of the circle provided:	Yes , Landing 12 m	
<b>8. MISCELLANEOUS</b>			
<b>Engine</b>			
	Speed	Maximum	Economic
8.1	Ballast speed:	15.50 Kts (WSNP)	8 Kts (WSNP)
	Laden speed:	15 Kts (WSNP)	8 Kts (WSNP)
8.2	What type of fuel is used for main propulsion / generating plant:	HFO/MGO	HFO/MGO
8.3	Type / Capacity of bunker tanks:	Fuel Oil: 3204.1 m3 Diesel Oil: m3 Gas Oil: 1206.2 m3	
8.4	Is vessel fitted with fixed or controllable pitch propeller(s):	None	
	Engines	No	Capacity
	Main engine:	1	15275 Kw HYUNDAI / MAIN B&W 6G70ME-C9.5
8.5	Aux engine:	3	1020 Kw DAIHATSU / 6DE-23
	Power packs:		m3
	Boilers:	3	35 MT/Hr Alfa Laval / Aalborg OL / Aalborg OC-TCi
<b>Emissions</b>			
8.6	Main engine IMO NOx emission standard:		

8.7	Energy Efficiency Design Index (EEDI) rating number:	Phase 1 / 2.76
<b>Insurance</b>		
8.8	P & I Club - Full Style:	GARD Gard P. & I. (Bermuda) Ltd. Norwegian Branch Kittelsbuktveien 31 4836 Arendal Norway
8.9	P & I Club pollution liability coverage / expiration date:	1000000000 US\$      Feb 20, 2019
8.10	Hull & Machinery insured by - Full Style:	AXA AXA C/O: JLT SPECIALTY LIMITED Jardine Lloyd Thompson Group. Registered Office: The St Botolph Building, 138 Houndsditch, London EC3A 7AW Registered in England No. 01536540 fatca@jltgroup.com. Tel: +44 (0)20 7528 4444 Tel: +44 (0)20 7528 4444
8.11	Hull & Machinery insured value / expiration date:	1050000000 US\$      Jun 14, 2019
<b>Recent Operational History</b>		
8.12	Date and place of last Port State Control inspection:	Jan 03, 2018 / Thessaloniki
8.13	Any outstanding deficiencies as reported by any Port State Control? If yes, provide details:	No
8.14	Has vessel been involved in a pollution, grounding, serious casualty or collision incident during the past 12 months? If yes, full description:	Pollution: No , Grounding: No , Casualty: No , Collision: No ,
8.15	Last three cargoes / charterers / voyages (Last / 2nd Last / 3rd Last):	
8.16	Date/place of last STS operation:	22nd Oct 2017 // Malta
<b>Vetting</b>		
8.17	Date of last SIRE inspection:	Jan 03, 2018
8.18	Date of last CDI inspection:	Not Applicable
8.19	Recent Oil company inspections/screenings (To the best of owners knowledge and without guarantee of acceptance for future business)*:  <i>*"Approvals" are not given by Oil Majors and ships are accepted for the voyage on a case by case basis.</i>	Contact owner for details.
<b>Additional Information</b>		
8.20	Additional information relating to features of the ship or operational characteristics:	

**Q88 - INTERTANKO Standard Tanker Questionnaire (Ver. 4)**

<b>1. VESSEL DESCRIPTION</b>		
1.1	Date updated:	<b>Jan 01, 2018</b>
1.2	Vessel's name (IMO number):	Seaways Raphael (9197894 )
1.3	Vessel's previous name(s) and date(s) of change:	OVERSEAS RAPHAEL (May 04, 2017) RAPHAEL (Apr 28, 2010)
1.4	Date delivered / Builder (where built):	Mar 15, 2000 / Hyundai Heavy Industries
1.5	Flag / Port of Registry:	Marshall Islands / Majuro
1.6	Call sign / MMSI:	V7BY5 / 538001400
1.7	Vessel's contact details (satcom/fax/email etc.):	Tel: 44-203-695-9195 / 870-773-935-147
		Fax: 453 820 150 RAPH
		Email: master.seraphael@gtmailplus.com
1.8	Type of vessel (as described in Form A or Form B Q1.11 of the IOPPC):	Oil Tanker
1.9	Type of hull:	Double Hull
<b>Classification</b>		
1.10	Classification society:	Lloyds Register
1.11	Class notation:	+100A1 Double Hull Tanker, ESP, Shipright (SDA, FDA, CM), SPM, LI. +LMC, UMS, IGS
1.12	Is the vessel subject to any conditions of class, class extensions, outstanding memorandums or class recommendations? If yes, give details:	Yes No.1P WBT soft indent of side shell between FR.94 and FR.95 and Longitudinal No.42 and 44 and Longitudinal No.43 having minor distortion. To be re-examined and dealt with at the next scheduled dry docking. Imposed date: 04 February 2016.
1.13	If classification society changed, name of previous and date of change:	N/A , Not Applicable
1.14	IMO type, if applicable:	1
1.15	Does the vessel have ice class? If yes, state what level:	No , N/A
1.16	Date / place of last dry-dock:	Mar 25, 2015 / Dubai
1.17	Date next dry dock due / next annual survey due:	Mar 24, 2018                      Feb 20, 2018

1.18	Date of last special survey / next special survey due:	Apr 09, 2015	Mar 14, 2020	
1.19	If ship has Condition Assessment Program (CAP), what is the latest overall rating:	Yes , 1		
1.20	Does the vessel have a statement of compliance issued under the provisions of the Condition Assessment Scheme (CAS): If yes, what is the expiry date?	N/A Not Applicable		
<b>Dimensions</b>				
1.21	Length overall (LOA):	334.59 m		
1.22	Length between perpendiculars (LBP):	320.00 m		
1.23	Extreme breadth (Beam):	58.05 m		
1.24	Moulded depth:	31.00 m		
1.25	Keel to masthead (KTM)/ Keel to masthead (KTM) in collapsed condition, if applicable:	62.70 m	m	
1.26	Bow to center manifold (BCM) / Stern to center manifold (SCM):	168.40 m	166.20 m	
1.27	Distance bridge front to center of manifold:	113.40 m		
1.28	Parallel body distances:	Lightship	Normal Ballast	Summer Dwt
	Forward to mid-point manifold:	84.00 m	85.80 m	86.10 m
	Aft to mid-point manifold:	42.60 m	58.20 m	72.10 m
	Parallel body length:	126.6 m	144 m	158.25 m
1.29	FWA/TPC at summer draft:	521.00 mm	169.50 MT	
1.30	Constant (excluding fresh water):	260 MT		
1.31	What is the company guidelines for Under Keel Clearance (UKC) for this vessel?	Open Sea (FAOP) : The minimum UKC in the dynamic condition is 50% of the static draft. Resticted waters/Port Approaches / Harbour Transits (SBE) : The minimum UKC in the dynamic condition is 10% of the static draft. Alongside For vessel > 20m breath 1.5% of the ship's beam		
1.32	What is the max height of mast above waterline (air draft)	Full Mast	Collapsed Mast	
	Lightship:	59.34 m	0 m	
	Normal ballast:	51.80 m	0 m	
	At loaded summer deadweight:	39.98 m	0 m	
<b>Tonnages</b>				
1.33	Net Tonnage:	109555.00		

1.34	Gross Tonnage / Reduced Gross Tonnage (if applicable):	157883.00	31650
1.35	Suez Canal Tonnage - Gross (SCGT) / Net (SCNT):	169993.47	161147.39
1.36	Panama Canal Net Tonnage (PCNT):		

**Ownership and Operation**

1.37	Registered owner - Full style:	<p>Aurora Shipping Corporation  Majuro, Marshall Islands c/o V.SHIPS UK LIMITED THE SKYPARK, 8 ELLIOT PLACE, GLASGOW, G3 8EP, UNITED KINGDOM  Marshall Islands  Tel: 44 141 243 2435  Fax: 44 141 243 2436  Telex: Not Applicable  Email: sraphvc@vships.com  Company IMO#: 0758614</p>	
1.38	Technical operator - Full style:	<p>V SHIPS UK LTD  V.SHIPS UK LIMITED THE SKYPARK, 8 ELLIOT PLACE, GLASGOW, G3 8EP, UNITED KINGDOM  United Kingdom  Tel: +44 141 243 2435  Fax: +44 141 243 2436  Telex: Not Applicable  Email: sraphvc@vships.com  Web: www.vships.com  Company IMO#: 0758614</p>	
1.39	Commercial operator - Full style:	<p>Tankers (UK) Agencies Limited as agents to Tankers  81 Kings Road London SW3 4NX United Kingdom  United Kingdom  Tel: Tel: +44 207 870 470  Fax: Fax: +44 207 838 001  Telex: Not Applicable  Email: Email: operations@tankers.uk.com</p>	
1.40	Disponent owner - Full style:	<p>Tankers UK Agencies Ltd.  Moreau House, 116 Brompton Road, London SW31JJ UK  Tel: Tel: +44 207 870 470  Fax: Fax: +44 207 838 001  Telex: 94079342 TAIN G  Email: Email: operations@tankers.uk.com  Web: www.tankersinternational.com</p>	

2.	CERTIFICATION	Issued	Last Annual	Expires
2.1	Safety Equipment Certificate (SEC):	May 04, 2017	Feb 20, 2017	Mar 14, 2020
2.2	Safety Radio Certificate (SRC):	May 04, 2017	Feb 20, 2017	Mar 14, 2020

2.3	Safety Construction Certificate (SCC):	May 04, 2017	Feb 20, 2017	Mar 14, 2020
2.4	International Loadline Certificate (ILC):	May 04, 2017	Feb 20, 2017	Mar 14, 2020
2.5	International Oil Pollution Prevention Certificate (IOPPC):	May 04, 2017	Feb 20, 2017	Mar 14, 2020
2.6	ISM Safety Management Certificate (SMC):	Jun 01, 2017	May 18, 2017	Dec 27, 2019
2.7	Document of Compliance (DOC):	May 15, 2013	Jun 08, 2017	Jul 23, 2018
2.8	USCG Certificate of Compliance (COC):	Jun 22, 2015	Jun 11, 2016	Jun 22, 2017
2.9	Civil Liability Convention (CLC) 1992 Certificate:	May 04, 2017	Not Applicable	Feb 20, 2018
2.10	Civil Liability for Bunker Oil Pollution Damage Convention (CLBC) Certificate:	May 04, 2017	Not Applicable	Feb 20, 2018
2.11	Ship Sanitation Control (SSCC)/Ship Sanitation Control Exemption (SSCE) Certificate:	Jul 13, 2017	Not Applicable	Jan 12, 2018
2.12	U.S. Certificate of Financial Responsibility (COFR):	Apr 15, 2017	Not Applicable	Apr 15, 2020
2.13	Certificate of Class (COC):	May 04, 2017	Feb 20, 2017	Mar 14, 2020
2.14	International Sewage Pollution Prevention Certificate (ISPPC)	May 04, 2017	Not Applicable	Mar 14, 2020
2.15	Certificate of Fitness (COF):	Not Applicable	Not Applicable	Not Applicable
2.16	International Energy Efficiency Certificate (IEEC):	May 04, 2017	Not Applicable	Not Applicable
2.17	International Ship Security Certificate (ISSC):	Jun 01, 2017	May 18, 2017	Dec 27, 2019
2.18	International Air Pollution Prevention Certificate (IAPPC):	May 04, 2017	Feb 20, 2017	Mar 14, 2020
2.19	Maritime Labour Certificate (MLC):	Jun 02, 2017	Not Applicable	Dec 27, 2019

### Documentation

2.20	Owner warrant that vessel is member of ITOPF and will remain so for the entire duration of this voyage/contract:		Yes
2.21	Does vessel have in place a Drug and Alcohol Policy complying with OCIMF guidelines for Control of Drugs and Alcohol Onboard Ship?		Yes
2.22	Is the ITF Special Agreement on board (if applicable)?		Yes
2.23	ITF Blue Card expiry date:		Mar 31, 2020

### 3. CREW

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3.1	Nationality of Master:	Filipino
3.2	Number and Nationality of Officers:	Officers: 8 Crew: Filipino, Chinese
3.3	Number and Nationality of Crew:	Officers: 14 Crew: Filipino
3.4	What is the common working language onboard:	English
3.5	Do officers speak and understand English?	Yes
3.6	If Officers/Crew employed by a Manning Agency - Full style:	<p>Officers:  1. Pacific Ocean Manning, Inc. 2.SINOCREW MARITIME SERVICES CO., LTD.  1. Pacific Ocean Manning, Inc. Lot 1 Block 37, Aseana Two Bldg. Bradco Avenue, Aseana City, Paranaque 1702 Metro Manila, Philippines 2. Sinocrew : Block C, Yonghe Plaza, No.28,Andingmen Dongdajie, Dongcheng Dist.,Beijing 100007, China  Tel: 1. +632858 9999 / 2.  Fax: 1. +632 8589896 / 2.  Telex: Not Applicable  Email: 1.ManilaINSW.Crewing@vships 2.crewing@sinocrew.com</p> <p>Crew:  Pacific Ocean Manning, Inc.  Lot 1 Block 37, Aseana Two Bldg. Bradco Avenue, Aseana City, Paranaque 1702 Metro Manila, Philippines  Tel: +632858 9999 / +6328  Fax: +632 8589896  Telex: Not Applicable  Email: ManilalNSW.Crewing@vships.com</p>
<b>4. FOR USA CALLS</b>		
4.1	Has the vessel Operator submitted a Vessel Spill Response Plan to the US Coast Guard which has been approved by official USCG letter?	Yes
4.2	Qualified individual (QI) - Full style:	O'Brien's Oil Pollution Service 103 MORGAN LANE , SUITE 103 , PLAINSBOROUGH , NEW JERSEY , 08536 , UNITED STATES Tel: + 1 (985) 781 0804 ( Fax: + 1 (609) 275 9444 Telex: N/A Email: commandcenter@wittobriens.com Web: www.wittobriens.com
4.3	Oil Spill Response Organization (OSRO) - Full style:	National Response Corporation National Response Corporation 3500 Sunrise Highway Suite T103 Great River New York 11739-1001, USA Tel: Tel: +1-800-899-4672 Fax: + 1-631- 224 9086 /

**5. CARGO AND BALLAST HANDLING**

**Double Hull Vessels**

5.1 Is vessel fitted with centerline bulkhead in all cargo tanks? If Yes, solid or perforated: No ,

**Loadline Information**

	Loadline	Freeboard	Draft	Deadweight	Displacement
5.2	Summer:	8.323 m	22.72 m	309613.800 MT	352989.7 MT
	Winter:	8.796 m	22.25 m	301615.1 MT	344991.00 MT
	Tropical:	7.85 m	23.196 m	317652.1 MT	361028.00 MT
	Lightship:	27.69 m	3.36 m	Not Applicable	43375.90 MT
	Normal Ballast Condition:	20.77 m	10.23 m	104512.00 MT	147888.00 MT

5.3 Does vessel have multiple SDWT? If yes, please provide all assigned loadlines: Yes

**Cargo Tank Capacities**

5.4 Number of cargo tanks and total cubic capacity (98%): 15 335996.6 m3

5.5 Capacity (98%) of each natural segregation with double valve (specify tanks):  
Seg#1: 117493.0 m3 (1C, 2C, 4C, 5W)  
Seg#2: 112020.0 m3 (3C, 1W, 4W, Slops)  
Seg#3: 113191.0 m3 (5C, 2W, 3W)

5.6 Number of slop tanks and total cubic capacity (98%): 2 6707 m3

5.7 Specify segregations which slops tanks belong to and their capacity with double valve:

5.8 Residual/Retention oil tank(s) capacity (98%), if applicable: 320 m3

5.9 Does vessel have Segregated Ballast Tanks (SBT) or Clean Ballast Tanks (CBT): SBT

**SBT Vessels**

5.10 What is total SBT capacity and percentage of SDWT vessel can maintain? 100619.40 m3 33.00 %

5.11 Does vessel meet the requirements of MARPOL Annex I Reg 18.2: Yes

**Cargo Handling and Pumping Systems**

5.12 How many grades/products can vessel load/discharge with double valve segregation: 3

5.13	Are there any cargo tank filling restrictions? If yes, specify number of slack tanks, max s.g., ullage restrictions etc.:	No			
5.14	Pumps:	No.	Type	Capacity	At What Head (sg=1.0)
	Cargo Pumps:	3	Centrifugal	5000 M3/HR	150 Meters
	Cargo Eductors:	2	183-86 HELLEHAMMER	600 m3/hr	35 m
	Stripping:	1	Reciprocating	400 m3/hr	150 m
	Ballast Pumps:	2	Single stage steam turbine,vertical centrifugal,single stage & single speed electric motor driven,vertical centrifugal,single stage	2500 m3/hr	35 m
	Ballast Eductors:	1	HELLEHAMMER	200 m3/hr	2.5 m
5.15	Max loading rate for homogenous cargo per manifold connection:				7168 m3/hr
5.16	Max loading rate for homogenous cargo loaded simultaneously through all manifolds:				15000.00 m3/hr
5.17	How many cargo pumps can be run simultaneously at full capacity:				3
<b>Cargo Control Room</b>					
5.18	Is ship fitted with a Cargo Control Room (CCR)?				Yes
5.19	Can tank innage / ullage be read from the CCR?				Yes
<b>Gauging and Sampling</b>					
5.20	Can cargo be transferred under closed loading conditions in accordance with ISGOTT 11.1.6.6?				Yes
5.21	What type of fixed closed tank gauging system is fitted:	Radar			
5.22	Number of portable gauging units (example- MMC) on board:				3
5.23	Are overfill (high) alarms fitted? If Yes, indicate whether to all tanks or partial:	Yes , All			
5.24	Are cargo tanks fitted with multipoint gauging? If yes, specify type and locations:	Yes , vapor lock, on main deck			
5.25	Is gauging system certified and calibrated? If no, specify which ones are not calibrated:	Yes ,			
<b>Vapor Emission Control System (VECS)</b>					
5.26	Is a Vapour Emission Control System (VECS) fitted?	Yes			
5.27	Number/size of VECS manifolds (per side):	2			400 mm
5.28	Number / size / type of VECS reducers:				

Venting				
5.29	State what type of venting system is fitted:	Primary Mast risers-Secondary ind.P/V		
Cargo Manifolds and Reducers				
5.30	Does vessel comply with the latest edition of the OCIMF 'Recommendations for Oil Tanker Manifolds and Associated Equipment'?	Yes		
5.31	Total number / size of cargo manifold connections on each side:	3 / 650.00 mm		
5.32	What type of valves are fitted at manifold:	Butterfly/manual operated		
5.33	What is the material/rating of the manifold:	steel / ANSI B16.5		
5.34	Does the vessel have a Common Line Manifold connection? If yes, describe:	ANSI B16.5		
5.35	Distance between cargo manifold centers:	3000.00 mm		
5.36	Distance ships rail to manifold:	4500.00 mm		
5.37	Distance manifold to ships side:	4600.00 mm		
5.38	Top of rail to center of manifold:	800.00 mm		
5.39	Distance main deck to center of manifold:	2100.00 mm		
5.40	Spill tank grating to center of manifold:	900.00 mm		
5.41	Manifold height above the waterline in normal ballast / at SDWT condition:	23.00 m	10.38 m	
5.42	Number / size / type of reducers:	6 x 650/500mm (26/20") 3 x 650/400mm (26/16") 3 x 650/300mm (26/12") 3 x 650/250mm (26/10") 3 x 300/200mm (12/8") ANSI		
5.43	Is vessel fitted with a stern manifold? If yes, state size:	No , mm		
Heating				
	Cargo / slop tanks fitted with a cargo heating system?	Type	Coiled	Material
5.44	Cargo Tanks	Steam heating coil	No	
	Slop Tanks:	Heating coil	Yes	
5.45	Maximum temperature cargo can be loaded / maintained:	65.0 °C / 149.0 °F		
5.46	Minimum temperature cargo can be loaded / maintained:			

**Coating / Anodes**

	Tank Coating	Coated	Type	To What Extent	Anodes
5.47	Cargo tanks:	Yes	Biscon HB200	Top 1.8m; bottom 1.1m	No
	Ballast tanks:	Yes	Biscon HB 200	Full	Yes
	Slop tanks:	Yes	Biscon HB 200	Whole Tank	No

**6. INERT GAS AND CRUDE OIL WASHING**

6.1	Is a Crude Oil Washing (COW) installation fitted / operational?	Yes / Yes
6.2	Is an Inert Gas System (IGS) fitted / operational?	Yes / Yes
6.3	Is IGS supplied by flue gas, inert gas (IG) generator and/or nitrogen:	Flue Gas

**7. MOORING**

7.1	Wires (on drums)	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	4	42.00 mm	Galvanized Steel	275 m	115.00 MT
	Main deck fwd:	6	42.00 mm	Galvanized Steel	300.00 m	115.00 MT
	Main deck aft:	4	42.00 mm	Galvanized steel	300.00 m	115.00 MT
	Poop deck:	6	42.00 mm	Galvanized steel	300.00 m	115.00 MT
7.2	Wire tails	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	4	80.00 mm	Polyester+Polysteel	11.00 m	158.00 MT
	Main deck fwd:	6	80.00 mm	Polyester+Polysteel	11.00 m	158.00 MT
	Main deck aft:	4	80.00 mm	Polyester+Polysteel	11.00 m	158.00 MT
	Poop deck:	6	80.00 mm	Polyester+Polysteel	11.00 m	158.00 MT
7.3	Ropes (on drums)	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:		mm		m	MT
	Main deck fwd:		mm		m	MT
	Main deck aft:		mm		m	MT

	Poop deck:		mm		m	MT
7.4	Other lines	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	3	80.00 mm	Deltaflex	300.00 m	138.90 MT
	Main deck fwd:		mm		m	MT
	Main deck aft:		mm		m	MT
	Poop deck:	3	80.00 mm	Deltaflex	300.00 m	138.90 MT
7.5	Winches	No.	No. Drums	Motive Power	Brake Capacity	Type of Brake
	Forecastle:	2	Double drum	Hydraulic	68.00 MT	Manual turn brake band
	Main deck fwd:	3	Double drum	Hydraulic	68.00 MT	Manual turn brake band
	Main deck aft:	2	Double drum	Hydraulic	68.00 MT	Manual turn brake band
	Poop deck:	3	Double drum	Hydraulic	68.00 MT	Manual turn brake band
7.6	Bits, closed chocks/fairleads		No. Bits	SWL Bits	No. Closed Chocks	SWL Closed Chocks
	Forecastle:		2	164 MT	8	200 MT
	Main deck fwd:		8	140 MT	20	200 MT
	Main deck aft:		7	140 MT	14	200 MT
	Poop deck:		5	140 MT	12	200 MT
<b>Anchors/Emergency Towing System</b>						
7.7	Number of shackles on port / starboard cable:				14 / 14	
7.8	Type / SWL of Emergency Towing system forward:				Tongue Type	200 MT
7.9	Type / SWL of Emergency Towing system aft:				Storage Drum	200 MT
<b>Escort Tug</b>						
7.10	What is size / SWL of closed chock and/or fairleads of enclosed type on stern:				600 x 450 Millimetres	200.00 MT
7.11	What is SWL of bollard on poop deck suitable for escort tug:					200.00 MT
<b>Bow/Stern Thruster</b>						
7.12	What is brake horse power of bow thruster (if fitted):				No , bhp	
7.13	What is brake horse power of stern thruster (if fitted):				No , bhp	

<b>Single Point Mooring (SPM) Equipment</b>			
7.14	Does the vessel meet the recommendations in the latest edition of OCIMF 'Recommendations for Equipment Employed in the Bow Mooring of Conventional Tankers at Single Point Moorings (SPM)'?	Yes	
7.15	If fitted, how many chain stoppers:	2	
7.16	State type / SWL of chain stopper(s):	Tongue Type	200.00 MT
7.17	What is the maximum size chain diameter the bow stopper(s) can handle:	76.00 mm	
7.18	Distance between the bow fairlead and chain stopper/bracket:	3000 mm	
7.19	Is bow chock and/or fairlead of enclosed type of OCIMF recommended size (600mm x 450mm)? If not, give details of size:	Yes Not Applicable	
<b>Lifting Equipment</b>			
7.20	Derrick / Crane description (Number, SWL and location):	Cranes: 2 x 20.00 Tonnes Port and Starboard	
7.21	What is maximum outreach of cranes / derricks outboard of the ship's side:	8.30 m	
<b>Ship To Ship Transfer (STS) / Helicopter Operations</b>			
7.22	Does vessel comply with recommendations contained in OCIMF/ICS Ship To Ship Transfer Guide (Petroleum, Chemicals or Liquefied Gas, as applicable)?	Yes	
7.23	Can the ship comply with the ICS Helicopter Guidelines? If Yes, state whether winching or landing area provided and diameter of the circle provided:	Yes , Landing 17.00 m	
<b>8. MISCELLANEOUS</b>			
<b>Engine</b>			
	Speed	Maximum	Economic
8.1	Ballast speed:	14.5 Kts (WSNP)	10.0 Kts (WSNP)
	Laden speed:	14 Kts (WSNP)	12.8 Kts (WSNP)
8.2	What type of fuel is used for main propulsion / generating plant:	IFO-380	IFO-380
8.3	Type / Capacity of bunker tanks:	Fuel Oil: 7552.4 m3 Diesel Oil: 818.3 m3 Gas Oil: 0 m3	
8.4	Is vessel fitted with fixed or controllable pitch propeller(s):	Fixed	
8.5	Engines	No	Capacity
			Make/Type

Main engine:	1	25485 Kw	Diesel Hyundai - B&W 7S80MC
Aux engine:	3	1042 Kw	Hyundai / 8L23/30
Power packs:		m3	
Boilers:	2	45.00 MT/Hr	HMT-45, two drum water tube
<b>Emissions</b>			
8.6	Main engine IMO NOx emission standard:		Tier I
8.7	Energy Efficiency Design Index (EEDI) rating number:		
<b>Insurance</b>			
8.8	P & I Club - Full Style:	UK P&I Club Thomas Miller P & I Ltd 90 Fenchurch Street London EC3M 4ST Tel: +44 20 7283 4646 Fax: +44 20 7621 9761 Email: <a href="mailto:underwriting.ukclub@thomasmiller.com">underwriting.ukclub@thomasmiller.com</a> Web: <a href="http://www.ukpandi.com">www.ukpandi.com</a>	
8.9	P & I Club pollution liability coverage / expiration date:	1000000000 US\$	Feb 20, 2018
8.10	Hull & Machinery insured by - Full Style:	Marsh I Global Marine Practice Marsh USA Inc. Marsh USA Inc. 1166 Avenue of the Americas New York, NY, 10036 Tel: +1 212 345 5307 Fax: +1 212 948 8956	
8.11	Hull & Machinery insured value / expiration date:	41000000 US\$	Nov 15, 2018
<b>Recent Operational History</b>			
8.12	Date and place of last Port State Control inspection:	Nov 21, 2017 / Jebel Dhanna, UAE	
8.13	Any outstanding deficiencies as reported by any Port State Control? If yes, provide details:	No N/A	
8.14	Has vessel been involved in a pollution, grounding, serious casualty or collision incident during the past 12 months? If yes, full description:	Pollution: No , Grounding: No , n/a Casualty: No , Collision: No , n/a	
8.15	Last three cargoes / charterers / voyages (Last / 2nd Last / 3rd Last):		
8.16	Date/place of last STS operation:	19 July 2017 / Sungai Linggi, Malaysia	
<b>Vetting</b>			
8.17	Date of last SIRE inspection:	Jul 16, 2017	



8.18	Date of last CDI inspection:	Not Applicable
8.19	<p>Recent Oil company inspections/screenings (To the best of owners knowledge and without guarantee of acceptance for future business)*:</p> <p><i>*"Approvals" are not given by Oil Majors and ships are accepted for the voyage on a case by case basis.</i></p>	<p>IDEMITSU, ENOC, STATOIL, KOCH, USCG (COC/TVEL), TESORO, PHILLIPS66, FLAG STATE, VALERO</p>
<b>Additional Information</b>		
8.20	Additional information relating to features of the ship or operational characteristics:	