

INTERTANKO CHARTERING QUESTIONNAIRE 88 - OIL/CHEMICAL

1.	GENERAL INFORMATION		
1.1	Date updated:	Mar 10, 2023	
1.2	Vessel's name (IMO number):	Liaki Freedom (9326639)	
1.3	Vessel's previous name(s) and date(s) of change:	Sea Lion I (Mar 13, 2018)	
1.4	Date delivered/Builder (where built):	Jul 10, 2007/21st Century Shipbuilding Company - South Korea	
1.5	Flag/Port of Registry:	Marshall Islands/Majuro	
1.6	Call sign/MMSI:	V7MO4/538002879	
1.7	Vessel's contact details (satcom/fax/email etc.):	Tel: 453832645 Fax: +870 783996495 Email: liakifreedom@vsl.pc-gm.com	
1.8	Type of vessel (as described in Form A or Form B Q1.11 of the IOPPC):	Other	
1.9	Type of hull:	Double Hull	
Ownership and Operation			
1.10	Registered owner - Full style:	Liaki Freedom Shipholding S.A. Trust Company Complex Ajeltake Island Majuro MH 96960 Marshall Islands Marshall Islands Tel: +30 2109310490 Email: marine-vetting@pc-gm.com	
1.11	Technical operator - Full style:	PETROCHEM GENERAL MANAGEMENT S.A. Syngrou Avenue 201, 171 21 Nea Smyrni Athens Greece Tel: +30 210 9310490 Email: marine-vetting@pc-gm.com Company IMO#: 5536504	
1.12	Commercial operator - Full style:	Petrochem General Management SA Syngrou Avenue 201, 171 21 Nea Smyrni Greece Tel: +30 210 9310490 Email: info@pc-gm.com	
1.13	Disponent owner - Full style:	NA NA	
Insurance			
1.14	P & I Club - Full Style:	WEST OF ENGLAND R.C.S. Luxembourg B8963 , 31 Grand Rue , L-1661 Luxembourg, G.D. Luxembourg Tel: +352 4700671 Fax: +352 225253 Email: mail@westpandi.com	
1.15	P & I Club pollution liability coverage/expiration date:	1,000,000,000 US\$	Feb 20, 2024
1.16	Hull & Machinery insured by - Full Style: (Specify broker or leading underwriter)	Willis Towers Watson	
1.17	Hull & Machinery insured value/expiration date:	16,250,000 US\$	May 31, 2023
Classification			
1.18	Classification society:	Bureau Veritas	
1.19	Class notation:	Oil Tanker Chemical Tankers- ESP Unrestricted Navigation	

		AUT-UMS, MON-SHAFT, ALP, VCS, IG			
1.20	Is the vessel subject to any conditions of class, class extensions, outstanding memorandums or class recommendations? If yes, give details:				
1.21	If classification society changed, name of previous and date of change:			American Bureau of Shipping, Oct 09, 2012	
1.22	Does the vessel have ice class? If yes, state what level:				
1.23	Date/place of last dry-dock:			Jan 18, 2023/Las Palmas, Gran Canaria, Spain	
1.24	Date next dry dock due/next annual survey due:			Jan 18, 2028 Jan 14, 2024	
1.25	Date of last special survey/next special survey due:			Jan 15, 2023 Jul 09, 2027	
1.26	If ship has Condition Assessment Program (CAP), what is the latest overall rating:				
	Yes, 1				
Dimensions					
1.27	Length overall (LOA):			128.60 Metres	
1.28	Length between perpendiculars (LBP):			120.40 Metres	
1.29	Extreme breadth (Beam):			20.40 Metres	
1.30	Moulded depth:			11.50 Metres	
1.31	Keel to masthead (KTM)/ Keel to masthead (KTM) in collapsed condition, if applicable:			40.83 Metres 40.83 Metres	
1.32	Distance bridge front to center of manifold:			40.40 Metres	
1.33	Bow to center manifold (BCM)/Stern to center manifold (SCM):			60.72 Metres 67.88 Metres	
1.34	Parallel body distances		Lightship	Normal Ballast Summer Dwt	
	Forward to mid-point manifold:		18.50 Metres	25.80 Metres 30.40 Metres	
	Aft to mid-point manifold:		29 Metres	34.60 Metres 41.20 Metres	
	Parallel body length:		47.50 Metres	60.40 Metres 71.60 Metres	
Tonnages					
1.35	Net Tonnage:			4,173	
1.36	Gross Tonnage/Reduced Gross Tonnage (if applicable):			8,503 7,013	
1.37	Suez Canal Tonnage - Gross (SCGT)/Net (SCNT):			8,968.68 7,161.03	
1.38	Panama Canal Net Tonnage (PCNT):			7,233	
Loadline Information					
1.39	Loadline	Freeboard	Draft	Deadweight	Displacement
	Summer:	2.81 Metres	8.71 Metres	13,115.78 Metric Tonnes	17,472.38 Metric Tonnes
	Winter:	2.99 Metres	8.53 Metres	12,659.22 Metric Tonnes	17,035.88 Metric Tonnes
	Tropical:	2.63 Metres	8.90 Metres	13,533.16 Metric Tonnes	17,909.82 Metric Tonnes
	Lightship:	8.68 Metres	2.85 Metres	-	4,356.61 Metric Tonnes
	Normal Ballast Condition:	5.97 Metres	5.53 Metres	6,092.90 Metric Tonnes	10,469.56 Metric Tonnes
	Segregated Ballast Condition:	5.97 Metres	5.53 Metres	6,092.90 Metric Tonnes	10,469.56 Metric Tonnes
1.40	FWA/TPC at summer draft:			188 Millimetres	23.24 Metric Tonnes
1.41	Does vessel have multiple SDWT? If yes, please provide all assigned loadlines:			No Assigned Deadweight 1: Assigned Deadweight 2: Assigned Deadweight 3: Assigned Deadweight 4: Assigned Deadweight 5:	
1.42	Constant (excluding fresh water):			23 Metric Tonnes	
1.43	What is the company guidelines for Under Keel Clearance (UKC) for this vessel?			A. Open Sea : When water depth is equal or less to	

		<p>vessel's twice current static draft, min. UKC of 50% of current max. static draft but not less than 3m.</p> <p>B. Confined, coastal and shallow waters : 20 % of ships draft not falling short of 1.0 m.</p> <p>C. Port approaches, Channels, Fairways: 10 % of ships draft not falling short of 0.6 m.</p> <p>D. Alongside: 1.5 % of ships beam not falling short of 0.3 m.</p> <p>E. SBM/CBM: 20 % of ships draft not falling short of 1.5 m.</p> <p>F. At Anchor/Drifting: Unprotected areas-20% of ships draft not falling short of 3m. Protected areas-10% of ships draft not falling short of 1.5m.</p>	
1.44	What is the max height of mast above waterline (air draft)	Full Mast	Collapsed Mast
	Summer deadweight:	32.12 Metres	0 Metres
	Normal ballast:	40.83 Metres	0 Metres
	Lightship:	37.98 Metres	0 Metres

2.	CERTIFICATES	Issued	Last Annual	Last Intermediate	Expires
2.1	Safety Equipment Certificate (SEC):	Jan 15, 2023	Not Applicable		Jul 09, 2027
2.2	Safety Radio Certificate (SRC):	Jan 15, 2023	Not Applicable		Jul 09, 2027
2.3	Safety Construction Certificate (SCC):	Jan 15, 2023	Not Applicable		Jul 09, 2027
2.4	International Loadline Certificate (ILC):	Jan 15, 2023	Not Applicable		Jul 09, 2027
2.5	International Oil Pollution Prevention Certificate (IOPPC):	Jan 15, 2023	Not Applicable		Jul 09, 2027
2.6	International Ship Security Certificate (ISSC):	Jul 12, 2022	Not Applicable	Not Applicable	Jun 22, 2027
2.7	Maritime Labour Certificate (MLC):	Jul 12, 2022	N/A		Jun 22, 2027
2.8	ISM Safety Management Certificate (SMC):	Jul 12, 2022	Not Applicable	Not Applicable	Jun 21, 2027
2.9	Document of Compliance (DOC):	Nov 02, 2020	Jan 31, 2023		Nov 04, 2025
2.10	USCG Certificate of Compliance(USCGCOC):	Feb 17, 2023	Not Applicable	Not Applicable	Feb 17, 2025
2.11	Civil Liability Convention (CLC) 1992 Certificate:	Feb 20, 2023	N/A	N/A	Feb 20, 2024
2.12	Civil Liability for Bunker Oil Pollution Damage Convention (CLBC) Certificate:	Feb 20, 2023	N/A	N/A	Feb 20, 2024
2.13	Liability for the Removal of Wrecks Certificate (WRC):	Feb 20, 2023	N/A	N/A	Feb 20, 2024
2.14	U.S. Certificate of Financial Responsibility (COFR):	Feb 01, 2023	N/A	N/A	Jan 31, 2024
2.15	Certificate of Class (COC):	Jan 15, 2023	Not Applicable	Not Applicable	Jul 09, 2027

2.16	International Sewage Pollution Prevention Certificate (ISPPC):	Jan 15, 2023	N/A	N/A	Jul 09, 2027
2.17	Certificate of Fitness (COF):	Jan 15, 2023	Not Applicable	Not Applicable	Jul 09, 2027
2.18	International Energy Efficiency Certificate (IEEC):	Mar 01, 2018	N/A	N/A	N/A
2.19	International Air Pollution Prevention Certificate (IAPPC):	Jan 15, 2023	Dec 30, 2022		Jul 09, 2027

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)?	N/A
2.23	ITF Blue Card expiry date (if applicable):	

3.	CREW																				
3.1	Nationality of Master:				Filipino																
3.2	Number and nationality of Officers:		10	Filipino , Ukrainian , Georgian																	
3.3	Number and nationality of Crew:		<table border="1"> <thead> <tr> <th>Nationality</th> <th>Count</th> </tr> </thead> <tbody> <tr> <td>PHILIPPINES</td> <td>14</td> </tr> </tbody> </table>		Nationality	Count	PHILIPPINES	14													
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PHILIPPINES	14																				
3.4	What is the common working language onboard:				ENGLISH																
3.5	Do officers speak and understand English?				Yes																
3.6	If Officers/ratings employed by a manning agency - Full style:		<table border="1"> <thead> <tr> <th colspan="5">Officers:</th> <th rowspan="2">Ratings:</th> </tr> <tr> <th>Company Name</th> <th>Address</th> <th>Phone</th> <th>Fax</th> <th>Email</th> </tr> </thead> <tbody> <tr> <td>YIALOS</td> <td>G.E ANTONINO BLDG. 16TH FLOOR J BOCOBO ST. ERMITA MANILA</td> <td>+632 526 1888</td> <td>NIL</td> <td>crew@yialosmanning.com</td> <td></td> </tr> </tbody> </table>		Officers:					Ratings:	Company Name	Address	Phone	Fax	Email	YIALOS	G.E ANTONINO BLDG. 16TH FLOOR J BOCOBO ST. ERMITA MANILA	+632 526 1888	NIL	crew@yialosmanning.com	
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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
4.2	Qualified individual (QI) - Full style:	Hudson Marine Management Service A wholly owned subsidiary of Hudson Analytix 117,Notara str ,Piraeus 18536 , Greece Tel: +302104510856 +306936572732 Email: hudsonhellas@hudsonmarine.com	
4.3	Oil Spill Response Organization (OSRO) - Full style:	National Response Corporation 3500 Sunrise Highway Suite T103 Great River NY 11739 Tel: + 1 6312596664 +16316279709 Email: bbell@nrcc.com	
4.4	Salvage and Marine Firefighting Services (SMFF) - Full Style:	Resolve Marine Tel: +19547648700	

5.	SAFETY/HELICOPTER	
5.1	Is the vessel operated under a Quality Management System? If Yes, what type of system? (ISO9001 or IMO Resolution A.741(18) as amended):	Yes IMO Resolution A.741(18)
5.2	Can the ship comply with the ICS Helicopter Guidelines?	No
5.2.1	If Yes, state whether winching or landing area provided:	
5.2.2	If Yes, what is the diameter of the circle provided:	0 Metres

6.	COATING/ANODES										
6.1	Tank Coating										
	Cargo tanks:										
	Tank ID	Tank PSC	Tank Type	Constr	Coated Y/N	Coating Type	Extent	Condition	Date	Insp date	Insp Freq
	1	P	2	Mild Steel	Yes	Epoxy	Full Tank	Good	2023-01-15T00:00:00	2023-01-15T00:00:00	30 Months
	1	S	2	Mild Steel	Yes	Epoxy	Full Tank	Good	2023-01-15T00:00:00	2023-01-15T00:00:00	30 Months
	2	P	2	Mild Steel	Yes	Epoxy	Full Tank	Good	2023-01-15T00:00:00	2023-01-15T00:00:00	30 Months
	2	S	2	Mild Steel	Yes	Epoxy	Full Tank	Good	2023-01-15T00:00:00	2023-01-15T00:00:00	30 Months
	3	P	2	Mild Steel	Yes	Epoxy	Full Tank	Good	2023-01-15T00:00:00	2023-01-15T00:00:00	30 Months
	3	S	2	Mild Steel	Yes	Epoxy	Full Tank	Good	2023-01-15T00:00:00	2023-01-15T00:00:00	30 Months
	4	P	2	Mild Steel	Yes	Epoxy	Full Tank	Good	2023-01-15T00:00:00	2023-01-15T00:00:00	30 Months
	4	S	2	Mild Steel	Yes	Epoxy	Full Tank	Good	2023-01-15T00:00:00	2023-01-15T00:00:00	30 Months
	5	P	2	Mild Steel	Yes	Epoxy	Full Tank	Good	2023-01-15T00:00:00	2023-01-15T00:00:00	30 Months
	5	S	2	Mild Steel	Yes	Epoxy	Full Tank	Good	2023-01-15T00:00:00	2023-01-15T00:00:00	30 Months
	6	P	2	Mild Steel	Yes	Epoxy	Full Tank	Good	2023-01-15T00:00:00	2023-01-15T00:00:00	30 Months
	6	S	2	Mild Steel	Yes	Epoxy	Full Tank	Good	2023-01-15T00:00:00	2023-01-15T00:00:00	30 Months
	Anodes: No										
	Ballast tanks:										
	ID	Coated?	Type	Extent	Condition	Coating date		Insp date		Insp freq	
	FPT	Yes	Epoxy	Full Tank	Good	2023-01-15T00:00:00		2023-01-15T00:00:00		Annual	
	WBT 1 P	Yes	Epoxy	Full Tank	Good	2023-01-15T00:00:00		2023-01-15T00:00:00		Annual	
	WBT 1 S	Yes	Epoxy	Full Tank	Good	2023-01-15T00:00:00		2023-01-15T00:00:00		Annual	
	WBT 2 P	Yes	Epoxy	Full Tank	Good	2023-01-15T00:00:00		2023-01-15T00:00:00		Annual	
	WBT 2 S	Yes	Epoxy	Full Tank	Good	2023-01-15T00:00:00		2023-01-15T00:00:00		Annual	
	WBT 3 P	Yes	Epoxy	Full Tank	Good	2023-01-15T00:00:00		2023-01-15T00:00:00		Annual	
	WBT 3 S	Yes	Epoxy	Full Tank	Good	2023-01-15T00:00:00		2023-01-15T00:00:00		Annual	
	WBT 4 P	Yes	Epoxy	Full Tank	Good	2023-01-15T00:00:00		2023-01-15T00:00:00		Annual	
	WBT 4 S	Yes	Epoxy	Full Tank	Good	2023-01-15T00:00:00		2023-01-15T00:00:00		Annual	

WBT 5 P	Yes	Epoxy	Full Tank	Good	2023-01-15T00:00:00	2023-01-15T00:00:00	Annual
WBT 5 S	Yes	Epoxy	Full Tank	Good	2023-01-15T00:00:00	2023-01-15T00:00:00	Annual
WBT 6 P	Yes	Epoxy	Full Tank	Good	2023-01-15T00:00:00	2023-01-15T00:00:00	Annual
WBT 6 S	Yes	Epoxy	Full Tank	Good	2023-01-15T00:00:00	2023-01-15T00:00:00	Annual
APT P	Yes	Epoxy	Full Tank	Good	2023-01-15T00:00:00	2023-01-15T00:00:00	Annual
APT S	Yes	Epoxy	Full Tank	Good	2023-01-15T00:00:00	2023-01-15T00:00:00	Annual
Anodes: Yes							
				Coated	Type	Extent	Anodes
Slop tanks:				Yes	Sigma Epoxy Phenygard	Whole Tank	No

7.	BALLAST															
7.1	Ballast Handling Data															
	<table border="1"> <thead> <tr><th>Number</th><th>Type</th><th>Prime mover type</th><th>Capacity (m3/hr)</th><th>Head (bar)</th></tr> </thead> <tbody> <tr><td>1</td><td>FRAMO, CENTRIFIGUAL</td><td>HYDRAULIC</td><td>350</td><td>25</td></tr> <tr><td>2</td><td>FRAMO, CENTRIFIGUAL</td><td>HYDRAULIC</td><td>350</td><td>25</td></tr> </tbody> </table>	Number	Type	Prime mover type	Capacity (m3/hr)	Head (bar)	1	FRAMO, CENTRIFIGUAL	HYDRAULIC	350	25	2	FRAMO, CENTRIFIGUAL	HYDRAULIC	350	25
Number	Type	Prime mover type	Capacity (m3/hr)	Head (bar)												
1	FRAMO, CENTRIFIGUAL	HYDRAULIC	350	25												
2	FRAMO, CENTRIFIGUAL	HYDRAULIC	350	25												

8.	CARGO																																							
Double Hull Vessels																																								
8.1	Is vessel fitted with centerline bulkhead in all cargo tanks? If Yes, solid or perforated: Yes, Solid																																							
Cargo Tank Capacities																																								
8.2	Cargo Tank Capacities at 98% Full - Centre: Total Centre: 0 Cu. Metres Cargo Tank Capacities at 98% Full - Wing:																																							
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6	1050.88	Port																																						
6	1050.62	Stbd																																						
	Total Wing: 13,414.30 Cu. Metres																																							
8.2.1	Capacity (max% per company policy: 98%, 97%, 96% or 95%) of each natural segregation with double valve (specify tanks): Seg#1: 928.928 m3 (1P) Seg#2: 929.844 m3 (1S) Seg#3: 1102.206 m3 (2P) Seg#4: 1101.772 m3 (2S) Seg#5: 1208.097 m3 (3P) Seg#6: 1208.188 m3 (3S)																																							

		Seg#7: 1208.906 m3 (4P) Seg#8: 1208.998 m3 (4S) Seg#9: 1207.72 m3 (5P) Seg#10: 1208.175 m3 (5S) Seg#11: 1050.886 m3 (6P) Seg#12: 1050.619 m3 (6S) Seg#13: 435.75 m3 (SLOP P) Seg#14: 436.059 m3 (SLOP S)	
8.2.2	IMO class (Oil/Chemical Ship Type 1, 2 or 3):	2	
8.3	Number of slop tanks and total cubic capacity (max% per company policy: 98%, 97%, 96% or 95%):	2	871.809 Cu. Metres
8.3.1	Specify segregations which slops tanks belong to and their capacity with double valve:		
8.3.2	Residual/retention oil tank(s) capacity (98%), if applicable:	10.57 Cu. Metres	
SBT Vessels			
8.3.3	What is total SBT capacity and percentage of SDWT vessel can maintain?	5,395.90 Cu. Metres	42 %
8.3.4	Does vessel meet the requirements of MARPOL Annex I Reg 18.2:	Yes	
Cargo Handling and Pumping Systems			
8.4	How many grades/products can vessel load/discharge with double valve segregation:	13	
8.4.1	State type of cargo containment (integral, independent, gravity or pressure tanks):		
8.5	Are there any cargo tank filling restrictions? If yes, specify number of slack tanks, max s.g., ullage restrictions etc.:	No Design Specific Garvity for all cargo tanks is 1.45 MT/M3. Max SG for partial loading is 1.80 MT/M3. Filling ratio @ SG 1.80 MT/M3 is 1W 0-10 or 40-80. Rest of the tanks 0-80	
8.6	Max loading rate for homogenous cargo	With VECS	Without VECS
	Loaded per manifold connection:	320 Cu. Metres/Hour	320 Cu. Metres/Hour
	Loaded simultaneously through all manifolds:	1,536 Cu. Metres/Hour	1,536 Cu. Metres/Hour
Cargo Control Room			
8.7	Is ship fitted with a Cargo Control Room (CCR)?	Yes	
8.8	Can tank innage/ullage be read from the CCR?	Yes	
Gauging and Sampling			
8.9	Is gauging system certified and calibrated? If no, specify which ones are not calibrated:	Yes,	
	What type of gauging system as per IBC 13.1 is fitted (Open/Restricted/Closed)?	Closed	
	What type of fixed closed tank gauging system is fitted:	Radar	
	Is a tank overflow control system fitted? If yes, then state if system includes automatic closing of valves?	Yes, N/A	
	Are high level alarms fitted to the cargo tanks? If Yes, indicate whether to all tanks or partial:	Yes,	
8.9.1	Can cargo be transferred under closed loading conditions in accordance with ISGOTT 11.1.6.6?	Yes	
8.9.2	Are cargo tanks fitted with multipoint gauging? If yes, specify type and locations:	N/A,	
8.10	Number of portable gauging units (example- MMC) on board:	3	
Vapor Emission Control System (VECS)			
8.11	Is a vapour return system (VRS) fitted?	Yes	
8.12	Number/size of VECS manifolds (per side):	2	200 Millimetres
8.13	Number/size/type of VECS reducers:		
Venting			
8.14	State what type of venting system is fitted:	HIGH VELOCITY P/V valves	
Cargo Manifolds and Reducers			
8.15	Total number/size of cargo manifold connections on each side: No.: 13		

Size:	Manifold	PCS	Size	Unit	Pressure Rating	Unit PR	Standard
	1	P	6	Inches	16	KG/Cm2	ANSI
	1	S	6	Inches	16	KG/Cm2	ANSI
	2	P	6	Inches	16	KG/Cm2	ANSI
	2	S	6	Inches	16	KG/Cm2	ANSI
	3	P	6	Inches	16	KG/Cm2	ANSI
	3	S	6	Inches	16	KG/Cm2	ANSI
	4	P	6	Inches	16	KG/Cm2	ANSI
	4	S	6	Inches	16	KG/Cm2	ANSI
	5	P	6	Inches	16	KG/Cm2	ANSI
	5	S	6	Inches	16	KG/Cm2	ANSI
	6	P	6	Inches	16	KG/Cm2	ANSI
	6	S	6	Inches	16	KG/Cm2	ANSI
	7	C	12	Inches	16	KG/Cm2	ANSI
	7	C	12	Inches	16	KG/Cm2	ANSI

8.15.1	Does the vessel have a Common Line Manifold connection? If yes, describe:	
8.16	What type of valves are fitted at manifold:	Butterfly
8.17	What is the material/rating of the manifold:	Stainless Steel/
8.17.1	Does vessel comply with the latest edition of the OCIMF 'Recommendations for Oil Tanker Manifolds and Associated Equipment'?	Yes
8.18	Distance between cargo manifold centers:	700 Millimetres
8.19	Distance ships rail to manifold:	3,760 Millimetres
8.20	Distance manifold to ships side:	3,980 Millimetres
8.21	Top of rail to center of manifold:	1,200 Millimetres
8.22	Distance main deck to center of manifold:	2,700 Millimetres
8.23	Spill tank grating to center of manifold:	800 Millimetres
8.24	Manifold height above the waterline in normal ballast/at SDWT condition:	8.44 Metres 5.51 Metres
8.25	Number/size/type of reducers:	1 x 300/250mm (12/10") 1 x 300/200mm (12/8") 2 x 300/150mm (12/6") 1 x 250/200mm (10/8") 2 x 150/100mm (6/4") ANSI
8.26	Is vessel fitted with a stern manifold? If yes, state size:	Yes, 250 Millimetres

Heating

8.27	Cargo/slop tanks fitted with a cargo heating system?											
	Tank ID	P/C/S/ Decktank/ Other	Heat exchanger	Internal/External	External ducts	Heating coils	Heating coil sets	Height of the heating coils above tank bottom (mm)	total heating surface (m2)	Ratio of the heating surface	Welded or coupled	Material
	1	P	No	Internal	No	Yes	2	150	40	0.04	Welded	SS
	1	S	No	Internal	No	Yes	2	150	40	0.04	Welded	SS
	2	P	No	Internal	No	Yes	2	150	40	0.04	Welded	SS
	2	S	No	Internal	No	Yes	2	150	40	0.04	Welded	SS
	3	P	No	Internal	No	Yes	2	150	40	0.04	Welded	SS

	4	P	No	Internal	No	Yes	2	150	40	0.04	Welded	SS
	4	S	No	Internal	No	Yes	2	150	40	0.04	Welded	SS
	3	S	No	Internal	No	Yes	2	150	40	0.04	Welded	SS
	5	P	No	Internal	No	Yes	2	150	40	0.04	Welded	SS
	5	S	No	Internal	No	Yes	2	150	40	0.04	Welded	SS
	6	P	No	Internal	No	Yes	2	150	40	0.04	Welded	SS
	6	S	No	Internal	No	Yes	2	150	40	0.04	Welded	SS
	7	P	No	Internal	No	Yes	2	150	30	0.08	Welded	SS
	7	S	No	Internal	No	Yes	2	150	30	0.08	Welded	SS
8.27.1	Is a Thermal Oil Heating system fitted? If yes, identify tanks?										Yes, all	
8.28	Maximum temperature cargo can be loaded/maintained:										90.0 °C / 194.0 °F	80 °C / 176 °F
8.28.1	Minimum temperature cargo can be loaded/maintained:											
Inert Gas and Crude Oil Washing												
8.29	Is an Inert Gas System (IGS) fitted/operational?										Yes/Yes	
8.29.1	Is a Crude Oil Washing (COW) installation fitted/operational?										Yes/Yes	
8.30	Is IGS supplied by flue gas, inert gas (IG) generator and/or nitrogen:										IG Generator	
8.30.1	If nitrogen generator, specify the applicable flow rate for each of the designed purity modes:											
Cargo Pumps												
8.31	How many cargo pumps can be run simultaneously at full capacity:										4	
8.32	Cargo Pump Data											
	Pump Identity	Pump Location	Type	Type of prime mover	Capacity	At what head?						
	12pcs	Cargo Tank	Centrifugal	Hydraulic	300	110						
	2pcs	Cargo Tank	Centrifugal	Hydraulic	100	110						
	1pc	Cargo Tank	Centrifugal	Hydraulic	70	70						
8.33	Is at least one emergency portable cargo pump provided?										Yes	
Tank Cleaning Systems												
8.34	Is tank cleaning equipment fixed in cargo tanks?										Yes	
8.35	Is portable tank cleaning equipment provided?										Yes	
8.36	Tank washing pump capacity:										100 Cu. Metres/Hour	
8.37	Is a washing water heater fitted? If yes is it operational and state max washing water temperature:										Yes, 80 Degrees Celsius	
8.38	What is the maximum number of machines that can be operated at their designed max pressure?										4	
Other Deck Equipment												
8.39	Is vessel fitted with a remote cargo tank temperature monitoring system. If yes, is it operational?										Yes,	
8.40	Is vessel fitted with a remote cargo tank pressure monitoring system. If yes, is it operational?										Yes,	
8.41	Is vessel fitted with a cargo tank drier. If yes is it operational and state capacity:										No, N/A	
8.42	Is vessel fitted with a cargo cooling system. If yes is it operational and state tanks applicable:										No, N/A	
8.43	Is steam available on deck?										Yes	
9.	MOORING											
9.1	Provide details for Mooring Ropes, Wires, Tails and Shackles											

Type	Location and Identity	Material	Diameter/size	Length	LDBF (100-105 % of SDMBL (Tonnes))	TDBF (125-130 % of SDMBL (Tonnes))	SWL (tonnes)	WLL (tonnes) (50-55% of Max LDBF)	Certificate No.	Installed Date	Revised Date	Renewal Date	Status of line /tail	Condition of line/ tail
Ropes	winch	Polyester/PolypropyleneMeltMixture withEurolefinintheOuterstrands	48	220	41	0	23	0	0	2023-01-15T00:00:00		2027-01-15T00:00:00	In Use	Suitable

9.2 Details of winches and brake testing including rendering loads

Mooring winch Location	Split Drum	Motive Power	Remote Operational controls	Heaving power	Hauling Speed	Type of Brake	Designed Brake Max holding load (ISO) (80% of SDMBL)	Operational brake holding load (60% of SDMBL)	Date of last brake test	Brake Rendering load	Frequency of testing brakes
1	Yes	Hydraulic	No	15	0.36	Manual	32.8	24.6	2023-01-15T00:00:00	24.6	yearly
2	Yes	Hydraulic	No	15	0.36	Manual	32.8	24.6	2023-01-15T00:00:00	24.6	yearly
3	Yes	Hydraulic	No	15	0.36	Manual	32.8	24.6	2023-01-15T00:00:00	24.6	yearly
4	Yes	Hydraulic	No	15	0.36	Manual	32.8	24.6	2023-01-15T00:00:00	24.6	yearly
5	Yes	Hydraulic	No	15	0.36	Manual	32.8	24.6	2023-01-15T00:00:00	24.6	yearly
6	Yes	Hydraulic	No	15	0.36	Manual	32.8	24.6	2023-01-15T00:00:00	24.6	yearly
7	Yes	Hydraulic	No	15	0.36	Manual	32.8	24.6	2023-01-15T00:00:00	24.6	yearly
8	Yes	Hydraulic	No	15	0.36	Manual	32.8	24.6	2023-01-15T00:00:00	24.6	yearly

9.3 Provide Details of Mooring bollards and bitts

Location	Identity No	Certificate Number	Size (mm)	SWL (tonnes)
Forecastle	1	BO-F01	355	64
Forecastle	2	BO-F02	355	64
Forecastle	3	BO-F03	355	41
Forecastle	4	BO-F03	355	41
Forecastle	5	BO-F05	355	41
Forecastle	6	BO-F06	355	41
Maindeck Forward (Port)	7	BO-M01	355	64
Maindeck Forward (Stbd)	8	BO-M02	355	64
Maindeck Forward (Port)	9	BO-M03	355	41
Maindeck Forward (Stbd)	10	BO-M04	355	41
Maindeck Forward (Port)	11	BO-M05	355	41
Maindeck Forward (Stbd)	12	BO-M06	355	41

	Poop Deck (Port)	13	BO-S01	355	64
	Poop Deck (Stbd)	14	BO-S02	355	64
	Poop Deck (Port)	15	BO-S03	355	41
	Poop Deck (Stbd)	16	BO-S04	355	41
	Poop Deck (Port)	17	BO-S05	355	41
	Poop Deck (Stbd)	18	BO-S06	355	41

9.4	Provide details of Mooring Fairleads/Chocks				

Anchors/Emergency Towing System

9.7	Number of shackles on port/starboard cable:	10/10			
9.8	Type/SWL of Emergency Towing system forward:	TOUNGE TYPE	200 Metric Tonnes		
9.9	Type/SWL of Emergency Towing system aft:				
9.10.1	What is size of closed chock and/or fairleads of enclosed type on stern	600 X 450			

Escort Tug

9.10.2	What is SWL of closed chock and/or fairleads of enclosed type on stern:	62 Metric Tonnes			
9.11	What is SWL of bollard on poop deck suitable for escort tug:	52 Metric Tonnes			

Lifting Equipment/Gangway

9.12	Derrick/Crane description (Number, SWL and location):	Cranes: 1 x 10 Tonnes Center			
9.13	Accommodation ladder direction:	Aft			
	Does vessel have a portable gangway? If yes, state length:	Yes,			

Single Point Mooring (SPM) Equipment

9.14	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)':?	No				
9.15 Details of bow chain stopper(s):						
	Location/Number of Bow Chain Stopper	Type	Operation	SWL	Min Size of Chain	Max size of Chain
	Stbd	Tongue	Manual	200	54	58
9.16	What is the maximum size chain diameter the bow stopper(s) can handle:	54 Millimetres				
9.17	Distance between the bow fairlead and chain stopper/bracket:	0 Metres				
9.18	Is bow chock and/or fairlead of enclosed type of OCIMF recommended size (600mm x 450mm)? If not, give details of size:	Yes 0				

10. PROPULSION

10.1	Speed	Maximum	Economical	
	Ballast speed:			
	Laden speed:			
10.2	What type of fuel is used for main propulsion/generating plant:	HFO	VLSFO/LSMGO	
10.3	Type/Capacity of bunker tanks:	Fuel Oil: 645.913 Cu. Metres Diesel Oil: 76.821 Cu. Metres Gas Oil: 0 Cu. Metres		
10.4	Is vessel fitted with fixed or controllable pitch propeller(s):	Fixed		
10.5	Engines	No	Capacity	Make/Type
	Main engine:	1		
	Aux engine:	3		
	Power packs:			

	Boilers:	1	12 Metric Tonnes/Hour
Bow/Stern Thruster			
10.6	What is brake horse power of bow thruster (if fitted):	Yes, 536 bhp	
10.7	What is brake horse power of stern thruster (if fitted):	No, 0 bhp	
Emissions			
10.8	Main engine IMO NOx emission standard:		
10.9	Energy Efficiency Design Index (EEDI) rating number:		

11.	SHIP TO SHIP TRANSFER		
11.1	Does vessel comply with recommendations contained in OCIMF/ICS Ship To Ship Transfer Guide (Petroleum, Chemicals or Liquefied Gas, as applicable)?	Yes	
11.2	What is maximum outreach of cranes/derricks outboard of the ship's side:	5.20 Metres	
11.3	Date/place of last STS operation:	St Eustatius / Jan 2023	

12.	RECENT OPERATIONAL HISTORY		
12.1	Last three cargoes/charterers/voyages (Last/2nd Last/3rd Last):	Gas oil / Gas oil / Gas oil	
12.2	Has vessel been involved in a pollution, grounding, serious casualty, unscheduled repair or collision incident during the past 12 months? If yes, provide details:	Pollution: No, Grounding: No, Casualty: No, Repair: No, Not Applicable Collision: No,	
12.3	Date and place of last Port State Control inspection:	Apr 25, 2022, Sint Eustatius	
12.4	Any outstanding deficiencies as reported by any Port State Control? If yes, provide details:	No NA	
12.5	Recent Oil company inspections/screenings (To the best of owners knowledge and without guarantee of acceptance for future business)*: * "Approvals" are not given by Oil Majors and ships are accepted for the voyage on a case by case basis.	JPLOM / ALMA Petroli MAXCO / Equinor/Shell / Maxcom / Phillips 66 / ENOC	
12.6	Date/Place of last SIRE inspection:	Feb 02, 2023 / St Eustatius	
12.6.1	Date/Place of last CDI inspection:	/	
12.7	Additional information relating to features of the ship or operational characteristics:		

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Form completed on <http://www.q88.com/integration.aspx> Please email support@q88.com an updated copy if this is not the latest version.