_	TANKO CHARTERING QUESTIONNAIRE 88 - OIL	Version 5
1.	GENERAL INFORMATION	
1.1	Date updated:	May 31, 2020
1.2	Vessel's name (IMO number):	Seapacis (9304356)
1.3	Vessel's previous name(s) and date(s) of change:	Not Applicable
1.4	Date delivered/Builder (where built):	Sep 09, 2005/Namura Shipyard
1.5	Flag/Port of Registry:	Hong Kong/Hong Kong
1.6	Call sign/MMSI:	VRBE2/477999500
1.7	Vessel's contact details (satcom/fax/email etc.):	Tel: + 1-778-654-2187;+ 1 505 318-1744; +1 505 295 0187;+1 505 295 2009 Fax: Email: seapacis@amosconnect.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
Owne	rship and Operation	
1.10	Registered owner - Full style:	SEAWAY NAVIGATION LIMITED 68th Floor, Room 6810-11. The CENTER, No.99 Queens Road, Central, Hong Kong Hong Kong Tel: 852 2877 9189 Fax: 852 2868 4014 Telex: Not Applicable Email: hongkong@vallesfleet.com Web: www.vallessteamship.com
1.11	Technical operator - Full style:	Valles Steamship (Canada) Limited Suite 1160, Guinness Tower, 1055 West Hastings Street, B.C. Canada, V6E 2E9 Canada Tel: 1 604 687 3288 Fax: 1 604 697 0833 Telex: Not Applicable Email: vancouver@vallesfleet.com Web: www.vallessteamship.com Company IMO#: 0540689
1.12	Commercial operator - Full style:	Penfield Marine LLC 200 Pequot ave. Southport CT 06890 United States Tel: +12032748400 Fax: +12032748409 Telex: N/A Email: operations@penfieldmarine.com Web: www.penfieldmarine.com
1.13	Disponent owner - Full style:	Penfield Tankers (Aframax) LLC Trust Company Complex, Ajeltake Road, Ajeltake Island, Majuro, Marshall Island MH 96960 Tel: +1 (203) 274-8400 Fax: +1 (203) 274-8409 Email: operations@penfieldmarine.com Web: www.penfieldmarine.com
Insura	nnce	· · · · · · · · · · · · · · · · · · ·
1.14	P & I Club - Full Style:	The Britannia Steam ship Insurance Association Limited Britannia P & I Regis House 45 King William Street
		London EC4R 9AS Tel: +44 (0) 20 7407 3588 Fax: +44 (0) 20 7403 3942
1.15	P & I Club pollution liability coverage/expiration date:	London EC4R 9AS Tel: +44 (0) 20 7407 3588

	(Specify broker or leading underwriter)			
1.17	Hull & Machinery insured value/expiration date:		21,000,000 US\$	Jun 15, 2020
Classi	fication		-	
1.18	Classification society:		American Bureau of Shipping	
1.19	Class notation:		+A1, Oil Carrier, E, +Al SHCM	MS, +ACCU, SH,
1.20	Is the vessel subject to any conditions of class, class extensions, outstanding m class recommendations? If yes, give details:	nemorandums or	No N/A	
1.21	If classification society changed, name of previous and date of change:		N/A, Not Applicable	
1.22	Does the vessel have ice class? If yes, state what level:		No, NA	
1.23	Date/place of last dry-dock:		Jun 27, 2018/Rijeka, C	Croatia
1.24	Date next dry dock due/next annual survey due:		Sep 17, 2020	Jul 03, 2020
1.25	Date of last special survey/next special survey due:		Sep 17, 2015	Sep 17, 2020
1.26	If ship has Condition Assessment Program (CAP), what is the latest overall ratio	ng:	No,	
Dime	nsions			
1.27	Length overall (LOA):			241.03 Metres
1.28	Length between perpendiculars (LBP):			232 Metres
1.29	Extreme breadth (Beam):		42 Metre	
1.30	Moulded depth:			21.20 Metres
1.31	Keel to masthead (KTM)/ Keel to masthead (KTM) in collapsed condition, if ap	plicable:	48.242 Metres	
1.32	Distance bridge front to center of manifold:			84.40 Metres
1.33	Bow to center manifold (BCM)/Stern to center manifold (SCM):		118.90 Metres	122.00 Metres
1.34	Parallel body distances	Lightship	Normal Ballast	Summer Dwt
	Forward to mid-point manifold:	55.02 Metres	61.75 Metres	61.75 Metres
	Aft to mid-point manifold:	34.21 Metres	45.23 Metres	54.87 Metres
	Parallel body length:	89.227 Metres	106.985 Metres	119.22 Metres
Tonna	ges			
1.35	Net Tonnage:			32,667
1.36	Gross Tonnage/Reduced Gross Tonnage (if applicable):	·	56,489	44,508
1.37	Suez Canal Tonnage - Gross (SCGT)/Net (SCNT):		59,108.95	55,483.46

1.38	Panama Canal Net Tonnage (PCNT):				0
Loadli	ne Information				
1.39	Loadline	Freeboard	Draft	Deadweight	Displacement
	Summer:	6.287 Metres	14.953 Metres	105,747 Metric Tonnes	122,122 Metric Tonnes
	Winter:	6.598 Metres	14.642 Metres	102,936 Metric Tonnes	119,311 Metric Tonnes
	Tropical:	5.976 Metres	15.264 Metres	108,564 Metric Tonnes	124,939 Metric Tonnes
	Lightship:	18.80 Metres	2.44 Metres	-	16,375 Metric Tonnes
	Normal Ballast Condition:	14.09 Metres	7.15 Metres	37,807 Metric Tonnes	54,182 Metric Tonnes
	Segregated Ballast Condition:	14.06 Metres	7.18 Metres	38,028 Metric Tonnes	54,403 Metric Tonnes
1.40	FWA/TPC at summer draft:	1		336 Millimetres	90.50 Metric Tonnes
1.42				105,747 98,997 89.996 84.994 78,995	300 Metric Tonnes
	Constant (excluding fresh water):	/LIVC) f 11: 12		Ocean Passage – When water depths	
1.43	What is the company guidelines for Under Keel Clearance			are less than or equa draft - 50% of deepes 2. Coastal / Shallow V 20% of deepest static 3. Port Approaches, E areas at or near entra estuaries - 10% of de 4. Whilst alongside thinside ports (shallow Waters - 1.5% of vess whichever is greater 5. Whilst at SBM/CBM deepest static draft 6. At Anchor — Unpro of deepest static draft 7. At Anchor — Protec Waters - 10% of deep	It to twice the static st static draft Water Passages - c draft Buoyed channels in ance to ports & epest static draft ne berth / Fairways waters) /Pilotage sel beam or 0.30M M moorings - 20% of tected Waters - 20% if tected / Sheltered pest static draft
1.44	What is the max height of mast above waterline (air draft			Full Mast	Collapsed Mast
	Summer deadweight:			33.289 Metres	0 Metres
	Normal ballast:			40.24 Metres	0 Metres
	Lightship:			44.072 Metres	0 Metres

2.	CERTIFICATES	Issued	Last Annual	Last Intermediate	Expires
2.1	Safety Equipment Certificate (SEC):	Mar 24, 2016	Jul 03, 2019	Jun 27, 2018	Sep 08, 2020
2.2	Safety Radio Certificate (SRC):	Sep 17, 2015	Jul 03, 2019	Jun 27, 2018	Sep 08, 2020
2.3	Safety Construction Certificate (SCC):	Sep 17, 2015	Jul 03, 2019	Jun 27, 2018	Sep 08, 2020
2.4	International Loadline Certificate (ILC):	Sep 17, 2015	Jul 03, 2019	Jun 27, 2018	Sep 08, 2020
2.5	International Oil Pollution Prevention Certificate (IOPPC):	Jun 27, 2018	Jul 03, 2019	Jun 27, 2018	Sep 08, 2020
2.6	International Ship Security Certificate (ISSC):	Sep 08, 2015	Not Applicable	Jun 14, 2018	Nov 30, 2020
2.7	Maritime Labour Certificate (MLC):	Nov 16, 2018	N/A	None	Jun 28, 2023
2.8	ISM Safety Management Certificate (SMC):	Sep 08, 2015	Not Applicable	Jun 14, 2018	Nov 30, 2020

Document of Compliance (DOC):	Mar 21, 2017	Jul 04, 2019		Apr 22, 2022
USCG Certificate of Compliance (USCGCOC):	Oct 01, 2019	Oct 01, 2019		Oct 01, 2021
Civil Liability Convention (CLC) 1992 Certificate:	Dec 24, 2019	N/A	N/A	Feb 20, 2021
Civil Liability for Bunker Oil Pollution Damage Convention (CLBC) Certificate:	Dec 24, 2019	N/A	N/A	Feb 20, 2021
Liability for the Removal of Wrecks Certificate (WRC):	Dec 25, 2019	N/A	N/A	Feb 20, 2021
U.S. Certificate of Financial Responsibility (COFR):	Sep 09, 2017	N/A	N/A	Sep 09, 2020
Certificate of Class (COC):	Jun 27, 2018	Jul 03, 2019	None	Sep 08, 2020
International Sewage Pollution Prevention Certificate (ISPPC):	Jun 27, 2018	N/A	N/A	Sep 08, 2020
Certificate of Fitness (COF):	Not Applicable	Not Applicable		Not Applicable
International Energy Efficiency Certificate (IEEC):	Jul 16, 2013	N/A	N/A	N/A
International Air Pollution Prevention Certificate (IAPPC):	Sep 17, 2015	Jul 03, 2019	Jun 27, 2018	Sep 08, 2020
mentation				•
Owner warrant that vessel is member of ITOPF and will rervoyage/contract:	main so for the entir	e duration of this	,	Yes
Does vessel have in place a Drug and Alcohol Policy complying with OCIMF guidelines for Control of Drugs and Alcohol Onboard Ship?			,	Yes
Is the ITF Special Agreement on board (if applicable)?			`	Yes
23 ITF Blue Card expiry date (if applicable):			Aug 3	31, 2020
	USCG Certificate of Compliance (USCGCOC): Civil Liability Convention (CLC) 1992 Certificate: Civil Liability for Bunker Oil Pollution Damage Convention (CLBC) Certificate: Liability for the Removal of Wrecks Certificate (WRC): U.S. Certificate of Financial Responsibility (COFR): Certificate of Class (COC): International Sewage Pollution Prevention Certificate (ISPPC): Certificate of Fitness (COF): International Energy Efficiency Certificate (IEEC): International Air Pollution Prevention Certificate (IAPPC): nentation Owner warrant that vessel is member of ITOPF and will revoyage/contract: Does vessel have in place a Drug and Alcohol Policy complof Drugs and Alcohol Onboard Ship? Is the ITF Special Agreement on board (if applicable)?	USCG Certificate of Compliance (USCGCOC): Civil Liability Convention (CLC) 1992 Certificate: Dec 24, 2019 Civil Liability for Bunker Oil Pollution Damage Convention (CLBC) Certificate: Liability for the Removal of Wrecks Certificate (WRC): Dec 25, 2019 U.S. Certificate of Financial Responsibility (COFR): Sep 09, 2017 Certificate of Class (COC): International Sewage Pollution Prevention Certificate (ISPPC): Certificate of Fitness (COF): Not Applicable International Energy Efficiency Certificate (IEEC): Jul 16, 2013 International Air Pollution Prevention Certificate (IAPPC): Sep 17, 2015 mentation Owner warrant that vessel is member of ITOPF and will remain so for the entir voyage/contract: Does vessel have in place a Drug and Alcohol Policy complying with OCIMF gui of Drugs and Alcohol Onboard Ship? Is the ITF Special Agreement on board (if applicable)?	USCG Certificate of Compliance (USCGCOC): Civil Liability Convention (CLC) 1992 Certificate: Dec 24, 2019 N/A Civil Liability for Bunker Oil Pollution Damage Convention (CLBC) Certificate: Liability for the Removal of Wrecks Certificate (WRC): Liability for the Removal of Wrecks Certificate (WRC): Dec 25, 2019 N/A U.S. Certificate of Financial Responsibility (COFR): Sep 09, 2017 N/A Certificate of Class (COC): Jun 27, 2018 Jul 03, 2019 International Sewage Pollution Prevention Certificate (ISPPC): Certificate of Fitness (COF): Not Applicable International Energy Efficiency Certificate (IEEC): Jul 16, 2013 N/A International Air Pollution Prevention Certificate (IAPPC): Sep 17, 2015 Jul 03, 2019 Internation Owner warrant that vessel is member of ITOPF and will remain so for the entire duration of this voyage/contract: Does vessel have in place a Drug and Alcohol Policy complying with OCIMF guidelines for Control of Drugs and Alcohol Onboard Ship? Is the ITF Special Agreement on board (if applicable)?	USCG Certificate of Compliance (USCGCOC): Oct 01, 2019 Oct 01, 2019 Oct 01, 2019 N/A N/A Civil Liability Convention (CLC) 1992 Certificate: Dec 24, 2019 N/A N/A N/A Civil Liability for Bunker Oil Pollution Damage Convention (CLBC) Certificate: Liability for the Removal of Wrecks Certificate (WRC): Dec 25, 2019 N/A N/A N/A V.S. Certificate of Financial Responsibility (COFR): Sep 09, 2017 N/A N/A Certificate of Class (COC): Jun 27, 2018 Jul 03, 2019 None International Sewage Pollution Prevention Certificate (ISPPC): Certificate of Fitness (COF): Not Applicable International Energy Efficiency Certificate (IEEC): Jul 16, 2013 N/A N/A International Air Pollution Prevention Certificate (IAPPC): Sep 17, 2015 Jul 03, 2019 Jun 27, 2018 mentation Owner warrant that vessel is member of ITOPF and will remain so for the entire duration of this voyage/contract: Does vessel have in place a Drug and Alcohol Policy complying with OCIMF guidelines for Control of Drugs and Alcohol Onboard Ship? Is the ITF Special Agreement on board (if applicable)?

3.	CREW				
3.1	Nationality of Master:			Indian	
3.2	Number and nationality of Officers:		10	Indian, Chinese	
3.3	Number and nationality of Crew:		13	Indian	
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:	Officers: OCS SERVICE Ltd. 407-411 Oberoi Cha New Link Road, And 400,053, India Tel: +91 22 6640900 Email: vallescrew@0 Tel: +91 22 6640900 Fax: 91-22-2674433 Telex: Not Applicab Email: vallescrew@0	imbers II, 645/646 heri (W), Mumbai 00 ocs.services 00 0	Ratings: OCS SERVICES (INDIA) PVT. Ltd. 407-411 Oberoi Chambers II, 645/646 New Link Road, Andheri (W), Mumbai 400,053, India Tel: +91 22 66409000 Fax: 91-22-26744330 Email: vallescrew@ocs.services Tel: +91 22 66409000 Fax: 91-22-26744330 Telex: Not Applicable Email: vallescrew@ocs.services	

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?			
4.2	Qualified individual (QI) - Full style:	O'Brien Response Management Inc (OOPS) 186 Princeton-Hightsown Road Building 3B West Windsor, NJ 08550 USA Tel: 1-985-781-0804 Fax: 1-609-781-0580 Telex: 49617361 OOPS UI Email: emergency@oopsusa.com		
4.3	Oil Spill Response Organization (OSRO) - Full style:	Marine Spill Response Corporation (MSRC) 220 Spring Street, Suite 500 Herndon, VA 20170 Tel: 1 703 326 5600 Fax: 1 703 326 5660		
4.4	Salvage and Marine Firefighting Services (SMFF) - Full Style:	T & T Salvage, LLC		

3110 Pasadena Freeway, Pasadena Tx 77503
Tel: Tel: +1 281 446 4010
Email: info@ttsalvage.com

5.	SAFETY/HELICOPTER	
	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?	Yes
5.2.1	If Yes, state whether winching or landing area provided:	Winching
5.2.2	If Yes, what is the diameter of the circle provided:	5.00 Metres

6.	COATING/ANODES		•		
6.1	Tank Coating	Coated	Туре	To What Extent	Anodes
	Cargo tanks:	Yes	High Build Coal Tar Epoxy	Slop tanks-Fully coated, 1W - 6W: Partial coating	No
	Ballast tanks:	Yes	Ероху	Complete	Yes
	Slop tanks:	Yes	High build coal tar epoxy	Whole Tank	No

7.	BALLAST				
7.1	Pumps	No.	Туре	Capacity	At What Head (sg=1.0)
	Ballast Pumps:	2	Centrifugal	1,800 Cu. Metres/Hour	30 Metres
	Ballast Eductors:	1	Venturi	300 Cu. Metres/Hour	20 Metres

8.	CARGO		
Doubl	e 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	Number of cargo tanks and total cubic capacity (98%):	1P/S, 2P/S, 3P/S, 4P/S, 5P/S, 6P/S	113,307.40 Cu. Metres (98 %)
8.2.1	Capacity (98%) of each natural segregation with double valve (specify tanks):	Seg#1: 40106 m3 (1F Seg#2: 39229 m3 (2F Seg#3: 40486 m3 (3F	P/S, 6P/S)
8.2.2	IMO class (Oil/Chemical Ship Type 1, 2 or 3):	N/A	
8.3	Number of slop tanks and total cubic capacity (98%):	2	6,315.20 Cu. Metres
8.3.1	Specify segregations which slops tanks belong to and their capacity with double valve:	Seg#1	
8.3.2	Residual/retention oil tank(s) capacity (98%), if applicable:		0 Cu. Metres
SBT V	essels	·	
8.3.3	What is total SBT capacity and percentage of SDWT vessel can maintain?	38,596.40 Cu. Metres	37.40 %
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:		3
8.5	Are there any cargo tank filling restrictions?	No	
	If yes, specify number of slack tanks, max s.g., ullage restrictions etc.:	Not Applicable	
8.6	Max loading rate for homogenous cargo	With VECS	Without VECS
	Loaded per manifold connection:	3,163.10 Cu. Metres/Hour	3,080 Cu. Metres/Hour
	Loaded simultaneously through all manifolds:	9,489.20 Cu.	9,489.20 Cu.

Can tank innage/ullage be read from the CCR? Ves Sauging and Sampling What type of fixed closed tank gauging system is fitted: SABATANK RADAR Are high level alarms fitted to the cargo tanks? If Yes, indicate whether to all tanks or partial: System cargo be transferred under closed loading conditions in accordance with ISGOTT 11.1.6 6? Yes, All Yes, Yes, Yes, Yes, Yes, Yes, Yes, Yes,				Metres/Hou	Metres/Hour	
Can be tank innage/ullage be read from the CCR? Australia and Sampling What type of fixed closed tank gauging system is fitted: What type of fixed closed tank gauging system is fitted: Are high level adams fitted to the cargo tanks? if Yes, indicate whether to all tanks or partial: Are high level adams fitted to the cargo tanks? if Yes, indicate whether to all tanks or partial: Yes, All Yes, All Are high level adams fitted to the cargo tanks? if Yes, indicate whether to all tanks or partial: Yes, All Yes, All Yes, All Yes, Cargo tanks fitted with multipoint gauging? if Yes, specify type and locations: No, No, Appore Emission Control System (VECS) 13.1 So vapour return system (VES) 13.1 So vapour return system (VES) 13.1 So vapour return system (VES) 13.2 Number/size/type of VECS reducers: 14.2 Number/size/type of VECS reducers: 15.3 Number of VECS manifolds (per side): 2 Number/size/type of VECS reducers: 18.3 State what type of venting system is fitted: Mast riser on IS line and independent High went valves for COTs All Is also what type of venting system is fitted: Mast riser on IS line and independent High went valves for COTs All Is also what type of venting system is fitted: Mast riser on IS line and independent High went valves for COTs All Is also what type of venting system is fitted: Manifolds and Reducers 13.40 Millimetres 13.40 Millimetres 13.51 Total number/size of cargo manifold connections on each side: 13.61 What type of valves are litted at manifold: Manual Butterfly Valves 13.71 Does vessel comply with the latest edition of the OCIMF 'Recommendations for Oil Tanker Manifolds and Associated Caputing of the manifold: 13.72 Does vessel comply with the latest edition of the OCIMF 'Recommendations for Oil Tanker Manifolds and Associated Caputing of the manifold: 13.73 Does vessel comply with the latest edition of the OCIMF 'Recommendations for Oil Tanker Manifolds and Associated Caputing of the manifold: 15.00 Millimetres 15.10 On	Cargo	Control Room		•		
Sauging and Sampling 33 Is a guiging system certified and calibrated? If no, specify which ones are not calibrated: 47 Are high level alarms fitted to the cargo tanks? If Yes, Indicate whether to all tanks or partial: 48 Are high level alarms fitted to the cargo tanks? If Yes, Indicate whether to all tanks or partial: 49 Are cargo be transferred under closed loading conditions in accordance with ISGOTT 11.1.6.6? 59.10 Can cargo be transferred under closed loading conditions in accordance with ISGOTT 11.1.6.6? 59.11 Can cargo be transferred under closed loading conditions in accordance with ISGOTT 11.1.6.6? 59.12 Are cargo tanks fitted with multipoint gauging? If yes, specify type and locations: 59.13 No, 50. 59.13 Nounber of portable gauging units (example-MMC) on board: 59.14 Is a vapour return system (VES) 59.15 Is a vapour return system (VES) 59.16 Is a vapour return system (VES) 59.17 Is a value of VECS reducers: 59.18 Nowber/size/Type of VECS reducers: 59.19 Nowber/size/Type of VECS reducers: 59.10 Value of Vector of Vector sanifolds (per side): 59.10 Value of Vector of Vector sanifolds (per side): 59.11 Value of Vector of Vector sanifolds (per side): 59.12 Value of Vector of Vector sanifolds (per side): 59.13 Nowber/size/Type of values are fitted at manifold: 59.14 Value type of values are fitted at manifold: 59.15 Value type of values are fitted at manifold: 59.15 Value type of values are fitted at manifold: 59.16 Value type of values are fitted at manifold: 59.17 Value to values are fitted at manifold: 59.18 Distance between cargo manifold centers: 59.19 Distance ships rail to manifold centers: 59.19 Distance ships rail to manifold centers: 59.19 Distance ships rail to manifold: 59.10 Value of Vector of Provide Centers of Manifold Registration of Vector of Provide Centers of Manifold Registration of Vector of Provide Centers of Manifold Registration of Vector of Vector of Vector of Vector of Vector o	8.7	Is ship fitted with a Cargo Control Room (CCR)?		,	⁄es	
Seguiging system certified and calibrated? If no, specify which ones are not calibrated: What type of fixed closed tank gauging system is fitted: SAAB TANK RADAR	8.8	Can tank innage/ullage be read from the CCR?		Yes		
What type of fixed closed tank gauging system is fitted: An high level alarms fitted to the cargo tank3 if Yes, and cate whether to all tanks or partial: Yes, All Can cargo be transferred under closed loading conditions in accordance with isGOTT 11.16.67 Yes 3.9.2 Are cargo tanks fitted with multipoint gauging? If yes, specify type and locations: No, Winther of portable gauging units (example: MMC) on board: No, Winther of portable gauging units (example: MMC) on board: Yes 3.10 Number of portable gauging units (example: MMC) on board: Yes 3.11 Is a vapour return system (VIS) fitted? Yes 3.12 Number/size of VECS manifolds (per side): 2	Gaugir	ng and Sampling				
Are high level alarms fitted to the cargo tanks? If Yes, indicate whether to all tanks or partial: 9.9.1 Can cargo be transferred under closed loading conditions in accordance with ISGOTT 11.6.6? No. Number of portable gauging units (example- MMC) on board: 4. Appor Emission Control System (VECS) 3.10 Number of portable gauging units (example- MMC) on board: 4. Pes 3.11 Is a vapour return system (VIS) fitted? Number/size of VECS manifolds (per side): 3.12 Number/size of VECS manifolds (per side): 3.13 Number/size of VECS manifolds (per side): 3.14 State what type of VetCs reducers: 3.15 Number/size of VECS manifolds (per side): 3.16 Number/size of VECS manifolds (per side): 3.17 Number/size of vetCs reducers: 3.18 State what type of venting system is fitted: 3.19 Manifolds and Reducers 4. Mast riser on IG line and independent high vent valves for COTS 3.10 Number/size of cargo manifold connections on each side: 3.10 What type of valves are fitted at manifold: 4. Manual Butterfly Valves 3.17 No Dose vessel comply with the latest edition of the OCIMF Recommendations for Oil Tanker 4. Manifolds and Associated Equipment? 4. Manifolds and Associated Equipment? 5. Distance between cargo manifold centers: 3. Distance ships rail to manifold: 3. Distance ships rail to manifold: 3. Distance manifold to ships side: 3. Distance manifold to ships side: 3. Distance manifold to ships side: 3. Distance manifold to center of manifold: 3. Distance manifold to center of manifold: 3. Distance manifold to center of manifold: 3. Distance manifold to ships side: 4. ADO Millimetres 3. Distance manifold to center of manifold: 3. Distance manifold	8.9	Is gauging system certified and calibrated? If no, specify which ones are not co	alibrated:	Yes,		
Can cargo be transferred under closed loading conditions in accordance with ISGOTT 11.1.6.67 Yes		What type of fixed closed tank gauging system is fitted:		SAAB TANK RADAR		
An example cargo tanks fitted with multipoint gauging? if yes, specify type and locations: No, Another of portable gauging units (example: MMC) on board: A very Femision Control System (VFCS) 3.11 Is a vapour return system (VRS) fitted? Ves 1.12 Number/size of VFCS manifolds (per side): 2 Nos / 16"x12"/ANS 1 No / 16"x10"/ANS Venting Ventin		Are high level alarms fitted to the cargo tanks? If Yes, indicate whether to all	tanks or partial:	Yes, All		
Number of portable gauging units (example- MMC) on board:	8.9.1	Can cargo be transferred under closed loading conditions in accordance with	ISGOTT 11.1.6.6?	,	⁄es	
Appor Emission Control System (VECS) 1.1 is a vapour return system (VRS) fitted? Yes 2 400 Millimetres 1.2 Number/size of VECS manifolds (per side): 2 400 Millimetres 2 Nos / 16"x12"/ ANSI 1 No / 16"x12"/ ANSI No / 16"x12"/ ANSI 1 No / 16"x12"/	8.9.2	Are cargo tanks fitted with multipoint gauging? If yes, specify type and location	ons:	No,		
Sala Sala vapour return system (VRS) fitted? Yes 400 Millimetres 2 400 Millimetres 400 Milli	8.10	Number of portable gauging units (example- MMC) on board:			4	
Number/size of VECS manifolds (per side):	Vapor	Emission Control System (VECS)		•		
Author State Sta	8.11	Is a vapour return system (VRS) fitted?		Yes		
Venting	8.12	Number/size of VECS manifolds (per side):		2	400 Millimetres	
Sate what type of venting system is fitted:	8.13	Number/size/type of VECS reducers:				
High vent valves for COTs	Ventin	g		1 NO / 10 X10 /AN3		
3.15 Total number/size of cargo manifold connections on each side: 3/400 Millimetres 3.16 What type of valves are fitted at manifold: 3.17 What is the material/rating of the manifold: 3.17 What is the material/rating of the manifold: 3.17 Does vessel comply with the latest edition of the OCIMF 'Recommendations for Oil Tanker Manifolds and Associated Equipment? 3.18 Distance between cargo manifold centers: 3.19 Distance ships rail to manifold: 3.20 Distance ships rail to manifold: 3.21 Top of rail to center of manifold: 3.22 Distance manifold to ships side: 3.23 Spill tank grating to center of manifold: 3.24 Manifold height above the waterline in normal ballast/at SDWT condition: 3.25 Number/size/type of reducers: 3.26 Is vessel fitted with a stern manifold? If yes, state size: 4.600 Millimetres 3.27 ANSI 3.28 Augo/300mm (16/12") 3.28 400/300mm (16/12") 3.29 Augo/300mm (16/8") 1.20 Augo/300mm (16/8") 3.20 Augo/300mm (16/8") 3.21 Augo/300mm (16/8") 3.22 Augo/300mm (16/8") 3.23 Augo/300mm (16/8") 3.24 Augo/300mm (16/8") 3.25 Augo/300mm (16/8") 3.26 Is vessel fitted with a stern manifold? If yes, state size: 4.62 Augo/300mm (16/8") 3.26 Augo/300mm (16/8") 3.27 Augo/300mm (16/8") 3.28 Augo/300mm (16/8") 3.29 Augo/300mm (16/8") 3.20 Augo/300mm (16/8"					•	
Manual Butterfly Valves Annual Butterfly Valves Carbon Steel/1.65 MPA 3.17.1 Does vessel comply with the latest edition of the OCIMF 'Recommendations for Oil Tanker Manifolds and Associated Equipment'? 3.18. Distance between cargo manifold centers: 3.19. Distance ships rail to manifold: 3.20. Distance ships rail to manifold: 3.21. Top of rail to center of manifold: 3.22. Distance manifold to ships side: 3.23. Distance manifold to center of manifold: 3.24. Manifold height above the waterline in normal ballast/at SDWT condition: 3.25. Number/size/type of reducers: 3.26. Is vessel fitted with a stern manifold? If yes, state size: 3.27. Cargo/splot tanks fitted with a cargo heating system? 3.28. Maximum temperature cargo can be loaded/maintained: 3.29. Maximum temperature cargo can be loaded/maintained: 3.29. Is an Inert Gas System (IGS) fitted/operational? 3.29. Ves/Yes 3.30. Is IGS supplied by flue gas, inert gas (IG) generator and/or nitrogen: 6. Carbon Steel/1.65 MPA 4.600 Millimetres 4.600 Millimetres 3.70 Millimetres 3.81. Manifold height above the waterline in normal ballast/at SDWT condition: 3.82. Manifold height above the waterline in normal ballast/at SDWT condition: 3.82. Maximum temperature cargo can be loaded/maintained: 3.83. Maximum temperature cargo can be loaded/maintained: 3.84. Millimimum temperature cargo can be loaded/maintained: 3.85. Proc / 165. 2 *F	Cargo	Manifolds and Reducers				
What is the material/rating of the manifold: April Does vessel comply with the latest edition of the OCIMF 'Recommendations for Oil Tanker Yes	8.15	Total number/size of cargo manifold connections on each side:		3/400 Millimetres	3/400 Millimetres	
3.17.1. Does vessel comply with the latest edition of the OCIMF 'Recommendations for Oil Tanker Manifolds and Associated Equipment'? 3.18. Distance between cargo manifold centers: 3.19. Distance ships rail to manifold: 3.19. Distance ships rail to manifold: 3.10. Distance manifold to ships side: 3.10. Distance manifold to ships side: 3.11. Top of rail to center of manifold: 3.12. Distance manifold to ships side: 3.13. Spill tank grating to center of manifold: 3.14. Manifold height above the waterline in normal ballast/at SDWT condition: 3.15. Manifold height above the waterline in normal ballast/at SDWT condition: 3.16. Manifold height above the waterline in normal ballast/at SDWT condition: 3.17. Manifold height above the waterline in normal ballast/at SDWT condition: 3.18. Manifold height above the waterline in normal ballast/at SDWT condition: 3.18. Manifold height above the waterline in normal ballast/at SDWT condition: 3.18. Manifold height above the waterline in normal ballast/at SDWT condition: 3.18. Manifold height above the waterline in normal ballast/at SDWT condition: 3.18. Manifold height above the waterline in normal ballast/at SDWT condition: 3.18. Manifold height above the waterline in normal ballast/at SDWT condition: 3.18. Manifold height above the waterline in normal ballast/at SDWT condition: 3.18. Manifold height above the waterline in normal ballast/at SDWT condition: 3.18. Manifold height above the waterline in normal ballast/at SDWT condition: 3.18. Manifold height above the waterline in normal ballast/at SDWT condition: 3.18. Manifold height above the waterline in normal ballast/at SDWT condition: 3.18. Manifold height above the waterline in normal ballast/at SDWT condition: 3.18. Manifold height above the waterline in normal ballast/at SDWT condition: 3.18. Manifold height above the waterline in normal ballast/at SDWT condition: 3.18. Manifold height above the waterline in normal ballast/at SDWT condition: 3.18. Manifold height above the waterline in normal b	8.16	What type of valves are fitted at manifold:		Manual Butterfly Va	llves	
Manifolds and Associated Equipment'? 3.18 Distance between cargo manifold centers: 3.19 Distance ships rail to manifold: 3.10 Distance manifold to ships side: 3.20 Distance manifold to ships side: 3.21 Top of rail to center of manifold: 3.22 Distance main deck to center of manifold: 3.23 Spill tank grating to center of manifold: 3.24 Manifold height above the waterline in normal ballast/at SDWT condition: 3.25 Number/size/type of reducers: 3.26 Number/size/type of reducers: 3.27 Number/size/type of reducers: 3.28 Number/size/type of reducers: 3.29 Number/size/type of reducers: 3.20 Is vessel fitted with a stern manifold? If yes, state size: 3.21 Number/size/type of reducers: 3.22 Ois vessel fitted with a stern manifold? If yes, state size: 3.23 Number/size/type of reducers: 3.24 Ois vessel fitted with a stern manifold? If yes, state size: 3.26 Is vessel fitted with a stern manifold? If yes, state size: 3.27 Oargo/slop tanks fitted with a cargo heating system? 3.28 Oargo/slop tanks fitted with a cargo heating system? 3.29 Maximum temperature cargo can be loaded/maintained: 3.28 Maximum temperature cargo can be loaded/maintained: 3.28 Maximum temperature cargo can be loaded/maintained: 3.28 Maximum temperature cargo can be loaded/maintained: 3.29 Is an Inert Gas System (IGS) fitted/operational? 3.29 Is an Inert Gas System (IGS) fitted/operational? 3.20 Is a Crude Oil Washing 3.20 Is a Crude Oil Washing (COW) installation fitted/operational? 3.20 Is a Crude Oil Washing (COW) installation fitted/operational? 3.20 Is a Crude Oil Washing (COW) installation fitted/operational? 3.20 Is a Crude Oil Washing (COW) installation fitted/operational? 3.21 National decomplete in the properties of the propert	8.17	What is the material/rating of the manifold:		Carbon Steel/1.65 MPA		
3.19 Distance ships rail to manifold: 3.20 Distance manifold to ships side: 3.21 Top of rail to center of manifold: 3.22 Distance main deck to center of manifold: 3.23 Spill tank grating to center of manifold: 3.24 Manifold height above the waterline in normal ballast/at SDWT condition: 3.25 Mumber/size/type of reducers: 3.26 Mumber/size/type of reducers: 3.27 Number/size/type of reducers: 3.28 Mumber/size/type of reducers: 3.29 Spill tank grating to center of manifold: 3.20 Manifold height above the waterline in normal ballast/at SDWT condition: 3.21 Mumber/size/type of reducers: 3.22 Manifold height above the waterline in normal ballast/at SDWT condition: 3.23 Mumber/size/type of reducers: 3.24 Manifold height above the waterline in normal ballast/at SDWT condition: 3.25 Mumber/size/type of reducers: 3.26 Is vessel fitted with a stern manifold? If yes, state size: 3.27 N/A, 3.28 Manifold height above the waterline in normal ballast/at SDWT condition: 3.28 Marine (16/12") 3.29 Colled Material 3.29 Maximum temperature cargo can be loaded/maintained: 3.20 Maximum temperature cargo can be loaded/maintained: 3.21 Minimum temperature cargo can be loaded/maintained: 3.22 Maximum temperature cargo can be loaded/maintained: 3.23 Maximum temperature cargo can be loaded/maintained: 3.24 Minimum temperature cargo can be loaded/maintained: 3.25 Maximum temperature cargo can be loaded/maintained: 3.26 Maximum temperature cargo can be loaded/maintained: 3.27 Maximum temperature cargo can be loaded/maintained: 3.28 Maximum temperature cargo can be loaded/maintained: 3.29 Is an Inert Gas System (IGS) fitted/operational? 3.29 Is an Inert Gas System (IGS) f	8.17.1		or Oil Tanker	,	⁄es	
Distance manifold to ships side: 3.20 Distance manifold to ships side: 3.21 Top of rail to center of manifold: 3.22 Distance main deck to center of manifold: 3.23 Spill tank grating to center of manifold: 3.24 Manifold height above the waterline in normal ballast/at SDWT condition: 3.25 Number/size/type of reducers: 3 x 400/300mm (18/16") 3 x 400/250mm (16/12") 3 x 400/250mm (16/12") 3 x 400/250mm (16/12") 3 x 400/250mm (16/10") 3 x 400/250mm (12/8") ANSI 3.26 Is vessel fitted with a stern manifold? If yes, state size: N/A,	8.18	Distance between cargo manifold centers:	2,500 Millimetres			
3.21 Top of rail to center of manifold: 3.22 Distance main deck to center of manifold: 3.23 Spill tank grating to center of manifold: 3.24 Manifold height above the waterline in normal ballast/at SDWT condition: 3.25 Number/size/type of reducers: 3.26 Number/size/type of reducers: 3.27 Number/size/type of reducers: 3.28 Number/size/type of reducers: 3.29 Spill tank grating to center of manifold: 3.20 Number/size/type of reducers: 3.20 Number/size/type of reducers: 3.21 Number/size/type of reducers: 3.22 Number/size/type of reducers: 3.23 Number/size/type of reducers: 3.24 Number/size/type of reducers: 3.25 Number/size/type of reducers: 3.26 Is vessel fitted with a stern manifold? If yes, state size: 3.27 Number/size/type of reducers: 3.28 Number/size/type of reducers: 3.28 Number/size/type of reducers: 3.29 Cargo/slop tanks fitted with a cargo heating system? 3.20 Type Coiled Material 3.21 Number/size/type of reducers: 3.22 Number/size/type of reducers: 3.23 Number/size/type of reducers: 3.24 Number/size/type of reducers: 3.25 Number/size/type of reducers: 3.26 Number/size/type of reducers: 3.27 Number/size/type of reducers: 3.28 Number/size/type of reducers: 3.28 Number/size/type of reducers: 3.28 Number/size/type of reducers: 3.28 Number/size/type of reducers: 3.29 Number/size/type of reducers: 3.20 Number/size/type of reducers: 3.21 Number/size/type of reducers: 3.22 Number/size/type of reducers: 3.23 Number/size/type of reducers: 3.24 Number/size/type of reducers: 3.25 Number/size/type of reducers: 3.25 Number/size/type of reducers: 3.24 Number/size/type of reducers: 3.25 Number/size/type of reducers: 3.25 Number/size/type of reducers: 3.24 Number/size/type of reducers: 3.25 Number/size/type of reducers: 3.25 Number/size/type of red	8.19	Distance ships rail to manifold:		4,600 Millimetres		
3.22 Distance main deck to center of manifold: 3.23 Spill tank grating to center of manifold: 3.24 Manifold height above the waterline in normal ballast/at SDWT condition: 3.25 Number/size/type of reducers: 3.26 Number/size/type of reducers: 3.27 Number/size/type of reducers: 3.28 Maximum tangerature cargo can be loaded/maintained: 3.28 Maximum temperature cargo can be loaded/maintained: 3.29 Naximum temperature cargo can be loaded/maintained: 3.20 Is an Inert Gas System (IGS) fitted/operational? 3.21 Is a Crude Oil Washing 3.22 Is a Crude Oil Washing (COW) installation fitted/operational? 3.23 Is IGS supplied by flue gas, inert gas (IG) generator and/or nitrogen: 3.24 Cargo Pumps	8.20	Distance manifold to ships side:			4,600 Millimetres	
3.23 Spill tank grating to center of manifold: 3.24 Manifold height above the waterline in normal ballast/at SDWT condition: 3.25 Number/size/type of reducers: 3.26 Number/size/type of reducers: 3.27 Cargo/slop tanks fitted with a stern manifold? If yes, state size: 3.28 National Solop Tanks: 3.29 Cargo/slop tanks fitted with a cargo heating system? 3.20 Cargo Tanks: 3.20 National Solop Tanks: 3.21 Cargo Tanks: 3.22 National Type 3.23 National Type 3.24 National Type 3.25 National Type 3.26 National Type 3.27 Cargo Tanks: 3.28 National temperature cargo can be loaded/maintained: 3.28 National temperature cargo can be loaded/maintained: 3.29 National Type 3.20 Solop Tanks: 3.29 National temperature cargo can be loaded/maintained: 3.29 National temperature cargo can be loaded/maintained: 3.29 National Type 3.20 Solop Tanks: 3.20 National temperature cargo can be loaded/maintained: 3.21 National Type 3.22 National Type 3.23 National temperature cargo can be loaded/maintained: 3.24 National Type 3.25 National Type 3.26 National Type 3.27 National Type 3.28 National Type 3.29 National Type 3.20 Solop Tanks: 3.20 National Type 3.20 Solop Tanks: 3.20 National Type 3.21 National Type 3.22 National Type 3.23 National Type 3.24 National Type 3.25 National Type 3.26 National Type 3.27 National Type 3.28 National Type 3.28 National Type 3.29 National Type 3.20 National Type 3.20 National Type 3.21 National Type 3.22 National Type 3.23 National Type 3.24 National Type 3.25 National Type 3.25 National Type 3.26 National Type 3.27 National Type 3.28 National Type 3.28 National Type 4.28 National Type 4.29 National Type 5.29 National Type 5.20 National Type 6.20 Nationa	8.21	Top of rail to center of manifold:			870 Millimetres	
Manifold height above the waterline in normal ballast/at SDWT condition: 16.06 Metres 8.28 Metres 8.25 Number/size/type of reducers: 6 x 450/400mm (18/16") 3 x 400/300mm (16/12") 3 x 400/250mm (16/10") 3 x 400/200mm (16/8") 1 x 300/200mm (12/8") ANSI 8.26 Is vessel fitted with a stern manifold? If yes, state size: N/A, 1eating 8.27 Cargo/slop tanks fitted with a cargo heating system? Cargo Tanks: Slop Tanks: Slop Tanks: Heating coils 8.28 Maximum temperature cargo can be loaded/maintained: 8.29 Maximum temperature cargo can be loaded/maintained: 8.20 Minimum temperature cargo can be loaded/maintained: 8.21 Minimum temperature cargo can be loaded/maintained: 8.22 Is an Inert Gas System (IGS) fitted/operational? 8.23 Is an Inert Gas System (IGS) fitted/operational? 8.24 Yes/Yes 8.25 Is a Crude Oil Washing (COW) installation fitted/operational? 8.25 Yes/Yes 8.26 Is Is Supplied by flue gas, inert gas (IG) generator and/or nitrogen: 8.26 Is Gas 8.27 Cargo Pumps	8.22	Distance main deck to center of manifold:			1,847 Millimetres	
Number/size/type of reducers: S	8.23	Spill tank grating to center of manifold:			900 Millimetres	
3 x 400/300mm (16/12") 3 x 400/250mm (16/10") 3 x 400/200mm (16/8") 1 x 300/200mm (12/8") ANSI 3.26 Is vessel fitted with a stern manifold? If yes, state size: N/A, Heating 3.27 Cargo/slop tanks fitted with a cargo heating system? Cargo Tanks: Slop Tanks: Heating coils Slop Tanks: Heating coils Yes Aluminium Brass 3.28 Maximum temperature cargo can be loaded/maintained: 74.0 °C / 165.2 °F 57 °C / 134.6 °F 1.28 Minimum temperature cargo can be loaded/maintained: 1.29 Is an Inert Gas System (IGS) fitted/operational? 1.29 Is a Crude Oil Washing 3.29 Is a Crude Oil Washing (COW) installation fitted/operational? 1.20 Supplied by flue gas, inert gas (IG) generator and/or nitrogen: 1.20 Supplied by flue gas, inert gas (IG) generator and/or nitrogen: 1.20 Supplied by flue gas, inert gas (IG) generator and/or nitrogen: 1.20 Supplied by flue gas, inert gas (IG) generator and/or nitrogen: 1.21 Supplied by flue gas, inert gas (IG) generator and/or nitrogen: 1.22 Supplied by flue gas, inert gas (IG) generator and/or nitrogen: 1.23 Supplied by flue gas, inert gas (IG) generator and/or nitrogen: 1.24 Supplied by flue gas, inert gas (IG) generator and/or nitrogen: 1.25 Supplied by flue gas, inert gas (IG) generator and/or nitrogen: 1.26 Supplied by flue gas, inert gas (IG) generator and/or nitrogen: 1.26 Supplied by flue gas, inert gas (IG) generator and/or nitrogen: 1.26 Supplied by flue gas, inert gas (IG) generator and/or nitrogen: 1.27 Supplied by flue gas, inert gas (IG) generator and/or nitrogen: 1.28 Supplied by flue gas, inert gas (IG) generator and/or nitrogen: 1.29 Supplied by flue gas, inert gas (IG) generator and/or nitrogen: 1.29 Supplied by flue gas, inert gas (IG) generator and/or nitrogen: 1.29 Supplied by flue gas, inert gas (IG) generator and/or nitrogen: 1.20 Supplied by flue gas, inert gas (IG) generator and/or nitrogen: 1.20 Supplied by flue gas, inert gas (IG) generator and/or nitrogen: 1.20 Supplied by flue gas, inert gas (IG) generator and/or nitrogen: 1.20 Supplied by flue gas, inert gas (IG) ge	8.24	Manifold height above the waterline in normal ballast/at SDWT condition:		16.06 Metres	8.28 Metres	
Heating 3.27 Cargo/slop tanks fitted with a cargo heating system? Type Coiled Material Cargo Tanks: heating coils Yes Other Slop Tanks: Heating coils Yes Aluminium Brass 3.28 Maximum temperature cargo can be loaded/maintained: 74.0 °C / 165.2 °F 57 °C / 134.6 °F 3.28.1 Minimum temperature cargo can be loaded/maintained: 0.0 °C / 32.0 °F nert Gas and Crude Oil Washing 3.29 Is an Inert Gas System (IGS) fitted/operational? Yes/Yes 3.29.1 Is a Crude Oil Washing (COW) installation fitted/operational? Yes/Yes 3.30 Is IGS supplied by flue gas, inert gas (IG) generator and/or nitrogen: Flue Gas Cargo Pumps	8.25	Number/size/type of reducers:		3 x 400/300mm (16/12") 3 x 400/250mm (16/10") 3 x 400/200mm (16/8") 1 x 300/200mm (12/8")		
Cargo/slop tanks fitted with a cargo heating system? Cargo Tanks: Slop Tanks: Slop Tanks: Heating coils Wes Aluminium Brass	8.26	Is vessel fitted with a stern manifold? If yes, state size:		N/A,		
Cargo Tanks: Slop Tanks: Heating coils Wes Aluminium Brass 3.28 Maximum temperature cargo can be loaded/maintained: 74.0 °C / 165.2 °F 57 °C / 134.6 °F 3.28.1 Minimum temperature cargo can be loaded/maintained: 0.0 °C / 32.0 °F nert Gas and Crude Oil Washing 3.29 Is an Inert Gas System (IGS) fitted/operational? 3.29 Is a Crude Oil Washing (COW) installation fitted/operational? 3.30 Is IGS supplied by flue gas, inert gas (IG) generator and/or nitrogen: Cargo Pumps Cargo Pumps	Heatin	g		ī		
Slop Tanks: Heating coils Yes Aluminium Brass	8.27	Cargo/slop tanks fitted with a cargo heating system?	Туре	Coiled	Material	
Maximum temperature cargo can be loaded/maintained: 74.0 °C / 165.2 °F 57 °C / 134.6 °F 74.0 °C / 165.2 °F 57 °C / 134.6 °F 75.0 °C / 165.2 °F 57 °C / 134.6 °F 75.0 °C / 165.2 °F 57 °C / 134.6 °F 75.0 °C / 165.2 °F 57 °C / 134.6 °F 75.0 °C / 165.2 °F 57 °C / 134.6 °F 76.0 °C / 165.2 °F 57 °C / 134.6 °F 76.0 °C / 165.2 °F 57 °C / 134.6 °F 76.0 °C / 165.2 °F 57 °C / 134.6 °F 76.0 °C / 165.2 °F 57 °C / 134.6 °F 76.0 °C / 165.2 °F 57 °C / 134.6 °F 76.0 °C / 165.2 °F 57 °C / 134.6 °F 76.0 °C / 165.2 °F 57 °C / 134.6 °F 76.0 °C / 165.2 °F 57 °C / 134.6 °F 76.0 °C / 165.2 °F 57 °C / 134.6 °F 76.0 °C / 165.2 °F 57 °C / 134.6 °F 76.0 °C / 165.2 °F 57 °C / 134.6 °F 76.0 °C / 165.2 °F 57 °C / 134.6 °F 76.0 °C / 165.2 °F 57 °C / 134.6 °F 76.0 °C / 32.0 °F		Cargo Tanks:	heating coils	Yes	Other	
As 28.1 Minimum temperature cargo can be loaded/maintained: nert Gas and Crude Oil Washing 3.29 Is an Inert Gas System (IGS) fitted/operational? 3.29.1 Is a Crude Oil Washing (COW) installation fitted/operational? 3.30 Is IGS supplied by flue gas, inert gas (IG) generator and/or nitrogen: Cargo Pumps O.0 °C / 32.0 °F Yes/Yes Flue Gas		Slop Tanks:	Heating coils	Yes	Aluminium Brass	
nert Gas and Crude Oil Washing 3.29 Is an Inert Gas System (IGS) fitted/operational? 3.29.1 Is a Crude Oil Washing (COW) installation fitted/operational? 3.30 Is IGS supplied by flue gas, inert gas (IG) generator and/or nitrogen: Cargo Pumps Flue Gas	8.28		74.0 °C / 165.2 °F	57 °C / 134.6 °F		
Is an Inert Gas System (IGS) fitted/operational? Yes/Yes 3.29.1 Is a Crude Oil Washing (COW) installation fitted/operational? Yes/Yes Is IGS supplied by flue gas, inert gas (IG) generator and/or nitrogen: Flue Gas Cargo Pumps	8.28.1	Minimum temperature cargo can be loaded/maintained:		0.0 °C / 32.0 °F		
3.29.1 Is a Crude Oil Washing (COW) installation fitted/operational? Yes/Yes Sago Pumps Yes/Yes	Inert G	as and Crude Oil Washing				
3.30 Is IGS supplied by flue gas, inert gas (IG) generator and/or nitrogen: Flue Gas Cargo Pumps	8.29	Is an Inert Gas System (IGS) fitted/operational?	Ye	s/Yes		
Cargo Pumps	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:	Flue Gas			
How many cargo pumps can be run simultaneously at full capacity:	Cargo	Pumps				
	8.31	How many cargo pumps can be run simultaneously at full capacity:			3	

8.32	Pumps	No.	Туре	Capacity	At What Head (sg=1.0)
	Cargo Pumps:	3	Centrifugal	2500 M3/HR	135 Meters 135 Meters 135 Meters
	Cargo Eductors:	1	Venturi	480 Cu. Metres/Hour	25 Metres
	Stripping:	1	Reciprocating	200 Cu. Metres/Hour	135 Metres
8.33	Is at least one emergency portable cargo pump provided?			N,	/A

9.	MOORING					
9.1	Wires (on drums)	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	4	34 Millimetres	GSWR	305 Metres	82.30 Metric Tonnes
	Main deck fwd:	4	34 Millimetres	GSWR	305 Metres	82.30 Metric Tonnes
	Main deck aft:	2	34 Millimetres	GSWR	305 Metres	82.30 Metric Tonnes
	Poop deck:	6	34 Millimetres	GSWR	305 Metres	82.30 Metric Tonnes
9.2	Wire tails	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	4	64 Millimetres	Euroflex	11 Metres	103 Metric Tonnes
	Main deck fwd:	4	64 Millimetres	Euroflex	11 Metres	103 Metric Tonnes
	Main deck aft:	2	64 Millimetres	Euroflex	11 Metres	103 Metric Tonnes
	Poop deck:	6	64 Millimetres	Euroflex	11 Metres	103 Metric Tonnes
9.3	Ropes (on drums)	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	0				
	Main deck fwd:			0		
	Main deck aft:	0				
	Poop deck:	0				
9.4	Other lines	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	6	72 Millimetres	PP/PES	220 Metres	129.50 Metric Tonnes
	Main deck fwd:	2	72 Millimetres	PP/PES	220 Metres	129.50 Metric Tonnes
	Main deck aft:	3	72 Millimetres	PP/PES	220 Metres	129.50 Metric Tonnes
	Poop deck:	5	72 Millimetres	Bexcoline	220 Metres	116.70 Metric Tonnes
9.5	Winches	No.	No. Drums	Motive Power	Brake Capacity	Type of Brake
	Forecastle:	2	Dbl	Hydraulic	51 Metric Tonnes	Manual
	Main deck fwd:	2	Dbl	Hydraulic	51 Metric Tonnes	Manual
	Main deck aft:	1	Dbl	Hydraulic	51 Metric Tonnes	Manual
	Poop deck:	3	Dbl	Hydraulic	51 Metric Tonnes	Manual
9.6	Bitts, closed chocks/fairleads		No. Bitts	SWL Bitts	No. Closed Chocks	SWL Closed Chocks
	Forecastle:		4	78 Metric Tonnes	4	63 Metric Tonnes
	Main deck fwd:		8	78 Metric Tonnes	4	63 Metric Tonnes
	Main deck aft:		4	78 Metric Tonnes	2	58 Metric Tonnes
	Poop deck:		4	78 Metric Tonnes	8	63 Metric Tonnes
Ancho	ors/Emergency Towing System					
9.7	Number of shackles on port/starboard cable:	umber of shackles on port/starboard cable:			13	/13
9.8	Type/SWL of Emergency Towing system forward:			Posidonia SRL	250 Metric Tonnes	
9.9	Type/SWL of Emergency Towing system aft:				Tateno-Kashiwa	200 Metric Tonnes
9.10.1	What is size of closed chock and/or fairleads of	enclosed	type on stern			350mm x 600mm
Escort	Tug					

9.10.2	What is SWL of closed chock and/or fairleads of enclosed type on stern:		200 Metric Tonnes	
9.11	What is SWL of bollard on poop deck suitable for escort tug:	200 Metric Tonnes		
Lifting	Equipment/Gangway	•		
9.12	Derrick/Crane description (Number, SWL and location):	Cranes: 1 x 15 Tonno Center	Cranes: 1 x 15 Tonnes Center	
9.13	Accommodation ladder direction:		Aft	
	Does vessel have a portable gangway? If yes, state length:		Yes, 15 Metres	
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)'?	Y	'es	
9.15	If fitted, how many chain stoppers:	2		
9.16	State type/SWL of chain stopper(s):	Tongue Type	250 Metric Tonnes	
9.17	What is the maximum size chain diameter the bow stopper(s) can handle:		90 Millimetres	
9.18	Distance between the bow fairlead and chain stopper/bracket:		2.90 Metres	
9.19	Is bow chock and/or fairlead of enclosed type of OCIMF recommended size (600mm x 450mm)? If not, give details of size:	Yes		

10.	PROPULSION				
10.1	Speed		Maximum	Economical	
	Ballast speed:		14.25 Knots (WSNP)	12.50 Knots (WSNP)	
	Laden speed:		14.00 Knots (WSNP)	12.00 Knots (WSNP)	
10.2	What type of fuel is used for main propulsion/generating plant:		VLSFO	VLSFO	
10.3	Type/Capacity of bunker tanks:		Diesel Oil: 0 Cu. Met	Fuel Oil: 2,156.30 Cu. Metres Diesel Oil: 0 Cu. Metres Gas Oil: 938.20 Cu. Metres	
10.4	Is vessel fitted with fixed or controllable pitch propeller(s):		Fixed	Fixed	
10.5	Engines	No	Capacity	Make/Type	
	Main engine:	1	12,240 Kilowatt	MAN B&W 6S60MC(Mark 6)	
	Aux engine:	3	600 Kilowatt	DAIHATSU 5 DK-20 (ENGINE) TAIYO	
	Power packs:	0	0 Cu. Metres		
	Boilers:	1	50 Metric Tonnes/Hour	MITSUBISHI MAC 50 B	
Bow/s	Stern Thruster				
10.6	What is brake horse power of bow thruster (if fitted):	No,			
10.7	What is brake horse power of stern thruster (if fitted):	No,			
Emiss	ons			_	
10.8	Main engine IMO NOx emission standard:	Tier I			
10.9	Energy Efficiency Design Index (EEDI) rating number:	N/A			

11.	SHIP TO SHIP TRANSFER	
	Does vessel comply with recommendations contained in OCIMF/ICS Ship To Ship Transfer Guide (Petroleum, Chemicals or Liquified Gas, as applicable)?	Yes
11.2	What is maximum outreach of cranes/derricks outboard of the ship's side:	5.50 Metres (Ships crane not certified for Personnel transfer.)
11.3	Date/place of last STS operation:	15th April 2020, SW Pass Ltrg Area

12.	RECENT OPERATIONAL HISTORY	
12.1	Last three cargoes/charterers/voyages (Last/2nd Last/3rd Last):	Last: Maya Crude

		2nd Last: Isthumus Crude 3rd Last: Maya Crude
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:	Jan 24, 2020 / Pajaritos, Mexico
12.4	Any outstanding deficiencies as reported by any Port State Control? If yes, provide details:	No None
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.	SHELL / BP / LUKOIL / TAM / TOTAL / REPSOL / OMV / ENI / STATOIL
12.6	Date/Place of last SIRE inspection:	Mar 16, 2020 / Port Arthur, USA
12.7	Additional information relating to features of the ship or operational characteristics:	Not Applicable

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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.

To the best of owners knowledge all information is true and given without any guarantee