

<b>1.</b>	<b>VESSEL DESCRIPTION</b>		
1.1	Date updated:	28/03/2022	
1.2	Vessel's name (IMO number):	APTERA (9036868)	
1.3	Vessel's previous name(s) and date (s) of change :	VEMAOIL XI - 04/02/2019	
1.4	Date delivered / Builder (where built):	22nd August 1991 / AKITSU – HIROSIMA 1991	
1.5	Flag / Port of Registry :	Greece / Piraeus	
1.6	Call sign / MMSI :	SVDE7 / 241654000	
1.7	Vessel's contact details (sitcom/fax/email etc) :	Email : tankeraptera@sekavin.gr	
1.8	Type of Vessel (as described in Form A or Form B Q1.11 of IOPPC)	Oil Tanker	
1.9	Type of hull:	Double Hull	
<b>Ownership and Operation</b>			
1.10	Registered owner - Full style:	APTERA SHIPPING COMPANY, 53-55 AKTI MIAOULI STR PIRAEUS TEL : 210 4293160 FAX : 210 4293345/742	
1.11	Technical operator - Full style:	APTERA SHIPPING COMPANY, 53-55 AKTI MIAOULI STR PIRAEUS TEL : 210 4293160 FAX : 210 4293345/742	
1.12	Commercial operator - Full style:	CORAL PRODUCTS AND TRADING A.E.	
1.13	Disponent owner - Full style:	N/A	
<b>Insurance</b>			
1.14	P & I Club - Full Style:	Shipowners mutual protection & indemnity association (Luxemburg)	
1.15	P & I Club pollution liability coverage/ expiration date :	1,000,000,000 US\$	04/02/2023
1.16	Hull & Machinery insured by – Full style :	Seascope Insurance Service Ltd57 Mansell Street, London Phone +44 (0) 20 7488 3288E mail: enquiries@seains.com	
1.17	Hull & Machinery insured value / expiration date	USD 2,000,000 & INCREASED VALUE USD 500,000	11/04/2022
<b>Classification</b>			
1.18	Classification society: & issuance of Statutory Certificates On behalf of Greek Flag – Vessel is engaged to domestic voyages only	Bureau Veritas	
1.19	Class notation:	I + HULL + MACH Oil tanker ESP Unrestricted navigation + AUT - UMS	
1.20	Is the vessel subject to any conditions of class, class extensions, outstanding memorandums or class recommendations ? if yes, give details :	N/A	
1.21	If Classification society changed, name of previous and date of change:	N/A	
1.22	Does the vessel have ice class? If yes, state what level:	N/A	
1.23	Date / place of last dry-dock:	28 <sup>TH</sup> APRIL 2021	PIRAEUS OLP FLOAT DOCK
1.24	Date next dry dock due /next annual survey due:	27 <sup>TH</sup> APRIL 2023	27 <sup>TH</sup> APRIL 2023
1.25	Date of last special survey / next special survey due:	21 <sup>TH</sup> MAR 2019	06 <sup>TH</sup> JUNE 2024
1.26	If ship has Condition Assessment Program (CAP), what is the latest overall rating:	N/A	

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<b>Dimensions</b>					
1.27	Length Over All (LOA):	105,02 Metres			
1.28	Length Between Perpendiculars (LBP):	97,00 Metres			
1.29	Extreme breadth (Beam):	15,50 Metres			
1.30	Moulded depth:	7,90 Metres			
1.31	Keel to Masthead (KTM) / KTM in collapsed condition (if applicable):	33,00 Metres	N/A		
1.32	Bow to Center Manifold (BCM) / Stern to Center Manifold (SCM)	53,52 Metres	51,50 Metres		
1.33	Distance bridge front to center of manifold:	26,0 Metres			
1.34	Parallel body distances:	Lightship	Normal Ballast	Summer Dwt	
	Forward to mid-point manifold:	20 Metres	27 Metres	27 Metres	
	Aft to mid-point manifold:	25 Metres	33 Metres	33 Metres	
	Parallel body length:	45 Metres	60 Metres	60 Metres	
<b>Tonnages</b>					
1.35	Net Tonnage: (National / International)	2974,76 / 3207			
1.36	Gross T. / Reduced Gross Tonnage (if applicable): (National / International)	1382,91 / 1273			
1.37	Suez Canal Tonnage - Gross (SCGT) / Net (SCNT):	N/A / N/A			
1.38	Panama Canal Net Tonnage (PCNT):	N/A / N/A			
<b>LoadLine Information</b>					
1.39	Loadline	Freeboard	Draft (mid)	Deadweight	Displacement
	Summer:	1.178 Metres	6.75 Metres	5260 Metric Tonnes	7304 Tonnes
	Winter:	1.318 Metres	6.61 Metres	5083.6 Metric Tonnes	7127.6 Tonnes
	Tropical:	1.038 Metres	6.89 Metres	5437.3 Metric Tonnes	7481.3 Tonnes
	Lightship:	5.608 Metres	2.32 Metres	Not Applicable	2044 Tonnes
	Normal Ballast Condition:	3.958 Metres	3.97 Metres	1940 Metric Tonnes	3984 Tonnes
	Segregated ballast condition				
1.40	FWA at summer draft / TPC immersion at summer draft:			144 mm	12,62 Metric Tonnes
1.41	Does vessel have multiple SDWT? If Yes , please provide all assigned loadlines				N/A
1.42	Constant (excluding fresh water)				N/A
1.43	What is the Company guidelines for Under Keel Clearance (UKC) for this vessel?				50% of vessel's static draft in open sea 1.0 mtr in confined waters 0.6 mtr channels and fairways 0.3 mtr alongside berth
1.44	What is the max height of mast above waterline (air draft)	Full Mast		Collapsed Mast	
	summer deadweight:	30.68 Metres		0 Metres	
	Normal ballast:	29.03 Metres		0 Metres	
	Lightship:	26.25 Metres		0 Metres	
2.	<b>CERTIFICATES</b>	<b>Issued</b>	<b>Last Annual or Intermediate</b>	<b>Expires</b>	
2.1	Safety Equipment Certificate (SEC): N/A instead PROTOCOL OF GENERAL INSPECTION – vessel engaged to domestic voyages only	29/04/2021	23/03/2022 (Greek Flag additional requirements)	27/04/2023	
2.2	Safety Radio Certificate (SRC): N/A instead PROTOCOL OF GENERAL INSPECTION – vessel engaged to domestic voyages only	29/04/2021	23/03/2022 (Greek Flag additional requirements)	27/04/2023	
2.3	Safety Construction Certificate (SCC): N/A instead PROTOCOL OF GENERAL INSPECTION – vessel engaged to domestic voyages only	29/04/2021	23/03/2022 (Greek Flag additional requirements)	27/04/2023	
2.4	International Loadline Certificate (ILC): (NATIONAL)	21/03/2019	23/03/2022	06/06/2024	
2.5	International Oil Pollution Prevention Certificate (IOPPC): (NATIONAL)	21/03/2019	23/03/2022	06/06/2024	
2.6	International Ship Security Certificate (ISSC):	N/A			
2.7	Maritime Labour Certificate (MLC) :	N/A			
2.8	ISM Safety Management Certificate (SMC):	06/05/2020	15/09/2021	19/09/2024	

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2.9	Document of Compliance (DOC):	06/05/2020	10/12/2021	04/09/2023
2.10	USCG Certificate of Compliance (COC) :	N/A		
2.11	Civil Liability Convention (CLC) 1992 Certificate :	27/01/2022		04/02/2023
2.12	Civil Liability for Bunker Oil Pollution Damage Convention (CLBC) Certificate :	27/01/2022		04/02/2023
2.13	Liability For the Removal of Wrecks Certificate (WRC) :	04/02/2022		04/02/2023
2.14	U.S. Certificate of Financial Responsibility (COFR):	N/A		
2.15	Certificate of Class (COC):	21/03/2019	23/03/2022	06/06/2024
2.16	International Sewage Pollution Prevention Certificate (ISPPC) (NATIONAL)	21/03/2019	23/03/2022	06/06/2024
2.17	Certificate of Fitness (COF) :	N/A		
2.18	International Energy Efficiency Certificate (IEEC) :	N/A		
2.19	International Air Pollution Prevention Certificate (IAPP):	N/A		

**Documentation**

2.20	Owner warrant that vessel is member of ITOPIF 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 :	N/A

**3. CREW**

3.1	Nationality of Master:	GREEK
3.2	Number and Nationality of Officers :	04 / GREEK
3.3	Number and Nationality of Crew:	10 / GREEK
3.4	What is the common working language onboard:	GREEK
3.5	Do officers speak and understand English:	YES
3.6	If Officers/Crew employed by a Manning Agency - Full style:	N/A

**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:	N/A
4.2	Qualified individual (QI) - Full style:	N/A
4.3	Oil Spill Response Organization (OSRO) -Full style:	N/A
4.4	Salvage and Marine Firefighting Services (SMFF) – Full Style :	N/A

**5. SAFETY / HELICOPTER**

5.1	Is the vessel operated under a Quality Management System? If yes, what type of system ? (ISO 9001 or IMO Res A.741(18) as amend) :	N/A
5.2	Can the ship comply with the ICS Helicopter guidelines ?	N/A
5.3	If Yes, state whether winching or landing area provided :	N/A
5.4	If yes, what is the diameter of the circle provided ?	N/A

**6. Coating/ Anodes**

6.1	Tank Coating	Coated	Type	To What Extent	Anodes
	Cargo tanks:	Yes	Epoxy	Whole Tank	No
	Ballast tanks:	Yes	EPOXY	Whole Tank	Yes
	Slop tanks:	Yes	Epoxy	Whole Tank	No

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<b>7.</b>	<b>BALLAST</b>				
7.1	Pumps:	No.	Type	Capacity	
	Ballast Pumps:	1	Centrifugal	400 m3/h	30 m
	Ballast Eductors :				

<b>8.</b>	<b>CARGO</b>				
<b>Double Hull Vessels</b>					
8.1	Is vessel fitted with centerline bulkhead in all cargo tanks:	yes			
<b>Cargo Tank Capacities</b>					
8.2	Number of cargo tanks and total cubic capacity (98%) :	8	4.572,89 m <sup>3</sup>		
8.2.1	Capacity (98%) of each natural segregation with double valve (specify tanks):	1st Segregation (hfo) 2 (P+S) =1255.965 m <sup>3</sup> 3 (P+S) =1303.263 m <sup>3</sup> 4 (P+S) =1132.950 m <sup>3</sup>  Total =3692.180 m <sup>3</sup>  2nd Segregation (mgo) 1 (P+S) = 880.712 m <sup>3</sup>			
8.3	Number of Slop tanks and total cubic capacity (98%):	2	118.737 Cu. Metres		
8.3.1	Specify segregations which slops tanks belong to and their capacity with double valve :	Slop belong in 2 <sup>nd</sup> Segregation only with single valve segregation			
8.3.2	Residual/Retention oil tank(s) capacity (98%), if applicable:	N/A			
<b>SBT Vessels</b>					
8.3.3	What is total capacity of SBT and percentage of SDWT vessel can maintain ?	1812.2 m3	35.3 %		
8.3.4	Does vessel meet the requirements of MARPOL Annex I Reg 18.2:	YES			
<b>Cargo Handling and pumping Systems</b>					
8.4	How many grades/products can vessel load/discharge with double valve segregation:	2			
8.5	Are there any cargo tank filling restrictions ? if yes , specify number of slack tanks, max s.g., ullage restrictions etc :	N/A Not Applicable			
8.6	Maximum loading rate for homogenous cargo	With VECS	Without VECS		
	Loaded per manifold connection:		1275 m <sup>3</sup> /h		
	Loaded simultaneously through all manifolds:		1275 m <sup>3</sup> /h		
<b>Cargo Control Room</b>					
8.7	Is ship fitted with a Cargo Control Room (CCR):	Yes			
8.8	Can tank innage / ullage be read from the CCR:	Yes			
<b>Gauging and Sampling</b>					
8.9	Is gauging system certified and calibrated ? If no, specify which ones are not calibrated	Yes,			
	What type of fixed closed tank gauging system is fitted:	Floating			
	Are high level alarms fitted to the cargo tanks ? If Yes, indicate whether to all tanks or partial:	Yes, All Tanks			
8.9.1	Can cargo be transferred under closed 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 :	No,			
8.10	Number of portable gauging units (example – MMC) on board :	2 / UTI- HERMETIC			
<b>Vapor Emission Control System (VECS)</b>					
8.11	Is a vapor Emission Control System (VECS) fitted:	Yes			
8.12	Number/size of VRS manifolds (per side):	1	200 Millimetres		
8.13	Number/size/type of VECS reducers :	n/a			
<b>Venting</b>					
8.14	State what type of venting system is fitted:	P/V valves			
<b>Cargo Manifolds and Reducers</b>					

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8.15	Total number / size of cargo manifold connections on each side:	2 cargo manifolds per side 1* 6'' (DN150) – MGO & 1*12'' (DN300) HFO
8.16	What type of valves are fitted at manifold :	Gate valves
8.17	What is the material / rating of the manifold:	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:	1060 mm
8.19	Distance ships rail to manifold:	MGO : 2000 mm / HFO : 2250 mm
8.20	Distance manifold to ships side:	MGO : 2220 mm / HFO : 2044 mm
8.21	Top of rail to center of manifold:	320 mm
8.22	Distance main deck to center of manifold:	1300 mm
8.23	Spill tank grating to center of manifold	MGO : 220 mm / HFO : 750 mm
8.24	Manifold height above the waterline in normal ballast / at SDWT condition:	5,208m / 2,498 m
8.25	Number / size reducers:	1 ITEM : 3*4 1 ITEM : 4*6 2 ITEMS : 4*8 1 ITEM : 5*6 2 ITEMS : 5*8 1 ITEM : 6*8 1 ITEM : 6*12 1 ITEM : 8*10 1 ITEM : 8*12 (IS FITTED AT HFO MANIFOLD) 1 ITEM : 2 ½ *4
8.26	Is vessel fitted with a stern manifold: if yes state size :	YES – 1 x 4''(DN100) FOR D.O. & 1 x 10'' (DN200) FOR F.O.

**Heating**

8.27	Cargo / slop tanks fitted with cargo heating system?	type	coiled	Material
	Cargo Tanks :	Thermal oil	Yes	Mild Steel
	Slop Tanks :		No	
8.28	Maximum temperature cargo can be loaded/maintained:		73.8 oC	57.2 oC
8.28.1	Minimum temperature cargo can be loaded/maintained:			

**Inert gas and crude oil washing**

8.29	Is a Crude Oil Washing (COW) installation fitted / operational ?	N/A
8.29.1	Is an Inert Gas System (IGS) fitted / operational ?	N/A
8.30	Is IGS supplied by flue gas, inert gas (IG) generator and/or nitrogen:	N/A

**Cargo Pumps**

8.31	How many cargo pumps can be run simultaneously at full capacity:	03			
8.32	Pumps:	No.	Type	Capacity	At What Head (sg=1.0)
	Cargo Pumps :	2	1 Screw-MGO 1 Centrifugal-HFO	1 X 1000 m3/h. 1 X 1700 m3/h	80 Meters 80 Meters
	Cargo Eductors:				
	Stripping:	1	Centrifugal	1 X 1700 m3/h	80 meters
8.33	Is at least one emergency portable cargo pump provided ?	N/A			

**9. MOORING**

9.1	Mooring wires (on drums)	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	N/A				
	Main deck fwd:	N/A				
	Main deck aft:	N/A				
	Poop deck:	N/A				
9.2	Wire tails	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	N/A				

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	Main deck fwd:	N/A				
	Main deck aft:	N/A				
	Poop deck:	N/A				
9.3	Mooring ropes (on drums)	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	4	56 MM	MIXED 25%, POLYTER & 75% POLYSTEEL	220.0	38 MT
	Main deck fwd:					
	Main deck aft:					
	Poop deck:	4	56 MM	MIXED 25%, POLYTER & 75% POLYSTEEL	220.0	38 MT
9.4	Other mooring lines	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	3	56 MM	MIXED 25%, POLYTER & 75% POLYSTEEL	220.0	38 MT
	Main deck fwd:					
	Main deck aft:					
	Poop deck:	3	56 MM	MIXED 25%, POLYTER & 75% POLYSTEEL	220.0	38 MT
9.5	Mooring winches		No.	# Drums	Brake Capacity	
	Forecastle:		04	Single drums - hydraulic	10.3 tons	
	Main deck fwd:		N/A			
	Main deck aft:		N/A			
	Poop deck:		04	Single drums - hydraulic	10.3 tons	
9.6	Mooring bits, closed chocks / fairleads	No. Bits	SWL	No. Closed Chocks	SWL	
	Forecastle:	4	25 Metric Tonnes	12	25 Metric Tonnes	
	Main deck fwd:	2	25 Metric Tonnes	2	25 Metric Tonnes	
	Main deck aft:	2	25 Metric Tonnes	2	25 Metric Tonnes	
	Poop deck:	4	25 Metric Tonnes	12	25 Metric Tonnes	
<b>Anchors / Emergency Towing System</b>						
9.7	Number of shackles on port cable / starboard cable:			08	08	
9.8	Type / SWL of Emergency Towing system forward:			N/A		
9.9	Type / SWL of Emergency Towing system aft:			N/A		
<b>Escort Tug</b>						
9.10	What is SWL and size of closed chock and/or fairleads of enclosed type on stern:			25 MT		
9.11	What is SWL of bollard on poopdeck suitable for escort tug:				25 tons	
<b>Lifting Equipment / Gangway</b>						
9.12	Derrick / Crane description (Number, SWL and location):			Cranes: 2 x 0,95 T , CENTER / STBD		
9.13	Accommodation Ladder direction :			N/A		
9.13.1	Does vessel have a portable gangway ?			yes		
<b>Single Point Mooring (SPM) Equipment</b>						
9.14	Does vessel comply with the latest edition of OCIMF 'Recommendations for Equipment Employed in the Mooring of Vessels at Single Point Moorings (SPM)':			N/A		
9.15	If fitted , how many chain stopper(s):			N/A		
9.16	State type / SWL of chain stopper(s):			N/A		
9.17	What is the maximum size chain diameter the bow stopper(s) can handle:			N/A		
9.18	Distance between the bow fairlead and chain stopper/bracket:			N/A		
9.19	Is bow chock and/or fairlead of enclosed type of OCIMF recommended size (600mm x 450mm)? If not, give details of size:			N/A		
<b>10. PROPULSION</b>						
10.1.	Speed			Maximum	Economic	

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	Ballast speed :	11,50 Knots	10,00 Knots
	Laden Speed :	11,2 Knots	9,50 Knots
10.2	What type of fuel is used for main propulsion / generating plant?	HFO 180 CST / MGO	MGO
10.3	Type / Capacity of bunker tanks	Fuel Oil: 154,6 Cu. Metres Diesel Oil: 72,4 Cu. Metres	

10.4	Is vessel fitted with fixed or controllable pitch propeller(s)?	CONTROLLABLE PITCH PROPELLER	
10.5	Engines :	No	Capacity
	Main Engine :	1	2184 KW AT 320 RPM
	Aux Engine :	2	380 KW AT 1200 RPM
	Power Packs		
	Boilers :	2	10 MT/h
			Make/Type
			MAN B&W / S28MC 2929
			YANMAR/S165L-SN
			MIURA HTB300L 3000 Kcal
<b>Bow / Stern Thruster</b>			
10.6	What is brake horse power of bow thruster (if fitted) :	Yes -NSDK NISHISHIBA – 305 KW	
10.7	What is brake horse power of stern thruster (if fitted) :	No	
<b>Emissions</b>			
10.8	Main Engine IMO NOx emission standard :	N/A	
10.9	Energy efficiency Design Index (EEDI) rating number :	N/A	

<b>11.</b>	<b>SHIP TO SHIP TRAFERS</b>		
11.1	Does vessel comply with recommendations contained in OCIMF/ICS Ship To Ship Transfer Guide (Petroleum or Liquefied Gas, as applicable):	YES	
11.2	What is maximum outreach of cranes / derricks outboard of the ship's side:	3,0 m	
11.3	Date / place of Last STS operation :	N/A	

<b>12.</b>	<b>RECENT OPERATIONAL HISTORY</b>		
12.1	Last three cargoes / charterers / voyages (Last / 2nd Last / 3rd Last):	visFO / MGO	
12.2	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	
12.3	Date and place of last Port State Control inspection:	17/05/2021 – PTHAP Piraeus/Elefsis	
12.4	Any outstanding deficiencies as reported by any Port State Control. If yes, provide details::	NO	
12.5	Recent Oil company inspections/screenings (To the best of owners knowledge and without guarantee of acceptance for future business)*: <i>* "approvals" are no longer given by Oil Majors and ships are accepted for the voyage on a case by case basis.</i>	Contact Owner for details	
12.6	Date/Place of last SIRE Inspection:	N/A	
12.7	Additional information relating to features of the ship or operational characteristics:		

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