

1. GENERAL INFORMATION	
1.1	Date updated: Jan 17 th , 2020
1.2	Vessel's name (IMO number): PVT SYNERGY (9404144)
1.3	Vessel's previous name(s) and date(s) of change: DMC MERCURY (Jan 04, 2019)
1.4	Date delivered/Builder (where built): Apr 03, 2008 / Sekwang Shipbuilding Co. Ltd Korea
1.5	Flag/Port of Registry: PANAMA / PANAMA
1.6	Call sign/MMSI: 3FKT9 / 357365000
1.7	Vessel's contact details (satcom/fax/email etc.): Tel: +870 773 159 501/ +1553 005 624 Email: synergy@pvoilshipping.commbox.com
1.8	Type of vessel (as described in Form A or Form B Q1.11 of the IOPPC): Oil tanker/ Product carrier
1.9	Type of hull: Double Hull
Ownership and Operation	
1.10	Registered owner - Full style: Phuong Dong Viet Transportation Oil J.S.C R. 806, 08th floor Citilight Tower, No.45, Vo Thi Sau St, Dakao ward, Dist 1. Ho Chi Minh City Phone: +84-28-3629.11.281/82/83 Fax: +84-28-3629.11.280 Email: technic@pvoilshipping.vn ; safety-crew@pvoilshipping.vn
1.11	Technical operator - Full style: Phuong Dong Viet Transportation Oil J.S.C R. 806, 08th floor Citilight Tower, No.45, Vo Thi Sau St, Dakao ward, Dist 1. Ho Chi Minh City Phone: +84-28-3629.11.281/82/83 Fax: +84-28-3629.11.280 Email: technic@pvoilshipping.vn ; safety-crew@pvoilshipping.vn
1.12	Commercial operator - Full style: Phuong Dong Viet Transportation Oil J.S.C R. 806, 08th floor Citilight Tower, No.45, Vo Thi Sau St, Dakao ward, Dist 1. Ho Chi Minh City Phone: +84-28-3629.11.281/82/83 Fax: +84-28-3629.11.280 Email: technic@pvoilshipping.vn ; safety-crew@pvoilshipping.vn
1.13	Disponent owner - Full style: N/A
Insurance	
1.14	P & I Club - Full Style: SVERIGES ANGFARTYGS ASSURANS FORENING THE SWEDISH CLUB ADDRESS: P.O.BOX 171 SE-401 22 GOTEBOG SWEDEN
1.15	P & I Club pollution liability coverage/expiration date: 1,000,000,000 US\$ Feb 20, 2019
1.16	Hull & Machinery insured by - Full Style: (Specify broker or leading underwriter) Petrolimex Insurance Corporation (Pjico) MIPEC Tower, 229 Tay Son Str, Dong Da Dist, Ha Noi Tel: +84-2437760867 Fax: +84-24-37760868 Email: pjico@petrolimex.com.vn
1.17	Hull & Machinery insured value/expiration date: 9,000,000 US\$ 29/04/2019
Classification	
1.18	Classification society: DNV GL
1.19	Class notation: 1A1 Tanker for chemicals and Oil Products EO ESP TMON VCS(2)
1.20	Is the vessel subject to any conditions of class, class extensions, outstanding memorandums or class recommendations? If yes, give details: None
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:			None	
1.23	Date/place of last dry-dock:			Aug 30, 2018 / Pha Rung Shipyard	
1.24	Date next dry dock due/next annual survey due:			Jun 30, 2021	Dec 31, 2020
1.25	Date of last special survey/next special survey due:			Aug 30, 2018	Mar 31, 2023
1.26	If ship has Condition Assessment Program (CAP), what is the latest overall rating:				
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:			39.39 Metres	
1.33	Bow to center manifold (BCM)/Stern to center manifold (SCM):			61.70 Metres	66.90 Metres
1.34	Parallel body distances		Lightship	Normal Ballast	Summer Dwt
	Forward to mid-point manifold:		23.60 Metres	25.50 Metres	31.30 Metres
	Aft to mid-point manifold:		36.20 Metres	39.70 Metres	41.90 Metres
	Parallel body length:		46.70 Metres	61.30 Metres	71.20 Metres
Tonnages					
1.35	Net Tonnage:			4,117.00	
1.36	Gross Tonnage/Reduced Gross Tonnage (if applicable):			8,542.00	8,542.00
1.37	Suez Canal Tonnage - Gross (SCGT)/Net (SCNT):			9,003.56	9,003.56
1.38	Panama Canal Net Tonnage (PCNT):			7,220.00	
Loadline Information					
1.39	Loadline	Freeboard	Draft	Deadweight	Displacement
	Summer:	2.81 Metres	8.71 Metres	13,126.77 Metric Tonnes	17,472.30 Metric Tonnes
	Winter:	2.99 Metres	8.53 Metres	12,706.85 Metric Tonnes	17,052.46 Metric Tonnes
	Tropical:	2.65 Metres	8.90 Metres	13,546.69 Metric Tonnes	17,892.30 Metric Tonnes
	Lightship:	9.06 Metres	2.47 Metres	4345.616 Metric Tonnes	4,345.62 Metric Tonnes
	Normal Ballast Condition:	6.01 Metres	5.51 Metres	6,086.75 Metric Tonnes	10,432.37 Metric Tonnes
	Segregated Ballast Condition:	2.81 Metres	8.71 Metres	13,126.77 Metric Tonnes	17,472.30 Metric Tonnes
1.40	FWA/TPC at summer draft:			188.00 Millimetres	23.24 Metric Tonnes
1.41	Does vessel have multiple SDWT? If yes, please provide all assigned loadlines:			None	
1.42	Constant (excluding fresh water):			Kindly please contact owner/or Master for updating every voyage.	
1.43	What is the company guidelines for Under Keel Clearance (UKC) for this vessel?			<p>1. In deep coastal water / Ocean passages: Twice the maximum summer draft of the vessel shall be maintained at all times during the voyage.</p> <p>2. Shallow coastal water / Port waters: At least 10% of the draft after allowing for squat under normal circumstances.</p> <p>3. At berth: At least 0.3 meter.</p> <p>4. At SBM / CBM mooring: At least one meter or 10% of deepest draft, whichever is greater.</p>	

		<p>* On ECDIS: The UKC must observed the criteria as follow:</p> <ul style="list-style-type: none"> - In area of charting CATZOC A1/A2 (6/5 star) maintain 10% maximum draft. - In area of charting CATZOC B (4 star) maintain 15% maximum draft. - In area of charting CATZOC C/D (3/2 star) maintain 20% maximum draft. - In area of charting CATZOC un-assessed by the ENC procedure, reference should be made to other source to determine the proper UKC. 	
1.44	What is the max height of mast above waterline (air draft)	Full Mast	Collapsed Mast
	Summer deadweight:	38.36 Metres	None
	Normal ballast:	35.32 Metres	None
	Lightship:	38.36 Metres	None

2.	CERTIFICATES	Issued	Last Annual	Last Intermediate	Expires
2.1	Safety Equipment Certificate (SEC):	Dec 31, 2019	Mar 24, 2013	N/A	Jan 31, 2020
2.2	Safety Radio Certificate (SRC):	Dec 31, 2019	Dec 31, 2019	N/A	May 31, 2020
2.3	Safety Construction Certificate (SCC):	Dec 31, 2019	Aug 30, 2018	N/A	Jan 31, 2020
2.4	International Loadline Certificate (ILC):	Dec 31, 2019	Aug 30, 2018	N/A	Mar 31, 2020
2.5	International Oil Pollution Prevention Certificate (IOPPC):	Dec 31, 2019	Mar 24, 2013	N/A	May 31, 2020
2.6	International Ship Security Certificate (ISSC):	Dec 31, 2019	N/A	N/A	Jun 30, 2020
2.7	Maritime Labour Certificate (MLC):	Dec 31, 2019	N/A	N/A	May 30, 2024
2.8	ISM Safety Management Certificate (SMC):	Oct 11, 2019	Oct 11, 2019	N/A	Oct 11, 2020
2.9	Document of Compliance (DOC):	Oct 11, 2019	Oct 11, 2019		Oct 11, 2020
2.10	USCG Certificate of Compliance (USCGCOC):	N/A	N/A	N/A	N/A
2.11	Civil Liability Convention (CLC) 1992 Certificate:	Dec 20, 2019	N/A	N/A	Feb 20, 2020
2.12	Civil Liability for Bunker Oil Pollution Damage Convention (CLBC) Certificate:	Feb 21, 2019	N/A	N/A	Feb 20, 2020
2.13	Liability for the Removal of Wrecks Certificate (WRC):	Dec 17, 2019	N/A	N/A	Feb 20, 2020
2.14	U.S. Certificate of Financial Responsibility (COFR):	N/A	N/A	N/A	N/A
2.15	Certificate of Class (COC):	Jan 03, 2020	Aug 30, 2018	N/A	Mar 31, 2023
2.16	International Sewage Pollution Prevention Certificate (ISPPC):	Dec 31, 2019	Dec 31, 2019	N/A	Mar 31, 2023
2.17	Certificate of Fitness (COF):	Dec 31, 2019	Dec 31, 2019	N/A	May 31, 2020
2.18	International Energy Efficiency Certificate (IEEC):	Dec 31, 2019	Mar 24, 2013	N/A	N/A
2.19	International Air Pollution Prevention Certificate (IAPPC):	Dec 31, 2019	Mar 24, 2013	N/A	May 31, 2020

Documentation		
2.20	Owner warrant that vessel is member of ITOPF and will remain so for the entire duration of this voyage/contract:	Yes/ Ex: Feb 20, 2020
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):	N/A

3.	CREW	
3.1	Nationality of Master:	Vietnamese
3.2	Number and nationality of Officers:	09 Vietnamese
3.3	Number and nationality of Crew:	12 Vietnamese

3.4	What is the common working language onboard:	English/ Vietnamese
3.5	Do officers speak and understand English?	Yes
3.6	If Officers/ratings 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? (ISO9001 or IMO Resolution A.741(18) as amended):	N/A
5.2	Can the ship comply with the ICS Helicopter Guidelines?	N/A
5.2.1	If Yes, state whether winching or landing area provided:	N/A
5.2.2	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	SIGMAPHENOLIC EPOXY	Fully	None
	Ballast tanks:	Yes	Pure Epoxy	Fully	Yes
	Slop tanks:	Yes	Sigma Epoxy PhenGuard Coating	Whole Tank	None

7.	BALLAST				
7.1	Pumps	No.	Type	Capacity	At What Head (sg=1.0)
	Ballast Pumps:	2	FRAMO PUMP	350 Cu.Metres/Hr	50 meters
	Ballast Eductors:	N/A			

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	Number of cargo tanks and total cubic capacity (98%):	12	13,405.032 Cub. metres	
8.2.1	Capacity (98%) of each natural segregation with double valve (specify tanks):	Seg#1: 932.119 m3 (1P) Seg#2: 932.119 m3 (1S) Seg#3: 1103.228 m3 (2P) Seg#4: 1103.701 m3 (2S) Seg#5: 1206.721 m3 (3P) Seg#6: 1206.146 m3 (3S) Seg#7: 1207.815 m3 (4P) Seg#8: 1206.812 m3 (4S) Seg#9: 1206.792 m3 (5P) Seg#10: 1206.799 m3 (5S)		

		Seg#11: 1047.122 m3 (6P) Seg#12: 1046.658 m3 (6S)	
8.2.2	IMO class (Oil/Chemical Ship Type 1, 2 or 3):	2	
8.3	Number of slop tanks and total cubic capacity (98%):	2	682.371 Cu. Metres
8.3.1	Specify segregations which slops tanks belong to and their capacity with double valve:	YES	
8.3.2	Residual/retention oil tank(s) capacity (98%), if applicable:	10.476 Cu. Metres	
SBT Vessels			
8.3.3	What is total SBT capacity and percentage of SDWT vessel can maintain?	6,025.24 Cu. Metres	37.45 %
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:	14	
8.5	Are there any cargo tank filling restrictions? If yes, specify number of slack tanks, max s.g., ullage restrictions etc.:	None	
8.6	Max loading rate for homogenous cargo	With VECS	Without VECS
	Loaded per manifold connection:	450 Cu. Metres/Hr	
	Loaded simultaneously through all manifolds:	1,200.00 Cu. Metres/Hr	
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 fixed closed tank gauging system is fitted:	Radar	
	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:	None	
8.10	Number of portable gauging units (example- MMC) on board:	4	
Vapor Emission Control System (VECS)			
8.11	Is a vapour return system (VRS) fitted?	Yes	
8.12	Number/size of VECS manifolds (per side):	02	250 Millimetres
8.13	Number/size/type of VECS reducers:	02	
Venting			
8.14	State what type of venting system is fitted:	P/V Valves	
Cargo Manifolds and Reducers			
8.15	Total number/size of cargo manifold connections on each side:	14 / 150.00 Millimetres	
8.16	What type of valves are fitted at manifold:	Butterfly	
8.17	What is the material/rating of the manifold:	SUS 304	
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:	700.00 Millimetres	
8.19	Distance ships rail to manifold:	3,900.00 Millimetres	
8.20	Distance manifold to ships side:	4,000.00 Millimetres	
8.21	Top of rail to center of manifold:	1,100.00 Millimetres	
8.22	Distance main deck to center of manifold:	2,800.00 Millimetres	
8.23	Spill tank grating to center of manifold:	900.00 Millimetres	
8.24	Manifold height above the waterline in normal ballast/at SDWT condition:	8.80 Metres	5.60 Metres
8.25	Number/size/type of reducers:	2 x 150/100mm (6/4") 6 x 150/200mm (6/8") 1 x 200/250mm (8/10")	

					2 x 150/250mm (6/10") 1 x 250/300mm (10/12")
8.26	Is vessel fitted with a stern manifold? If yes, state size:				Yes, 200.00 Millimetres
Heating					
8.27	Cargo/slop tanks fitted with a cargo heating system?	Type	Coiled	Material	
	Cargo Tanks:	COT Steam Deck Heaters	No	SS	
	Slop Tanks:	Heating coils	Yes	SS	
8.28	Maximum temperature cargo can be loaded/maintained:			70.0 °C/158.0°F	70 °C/158 °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?				None
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:				Nitrogen Generator
Cargo Pumps					
8.31	How many cargo pumps can be run simultaneously at full capacity:				
8.32	Pumps	No.	Type	Capacity	At What Head (sg=1.0)
	Cargo Pumps:	12 2	FRAMO PUMP FRAMO PUMP	300 M3/HR 100 M3/HR	120 meters 120 meters
	Cargo Eductors:	N/A			
	Stripping:	N/A			
8.33	Is at least one emergency portable cargo pump provided?				

9.	MOORING					
9.1	Wires (on drums)	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:					
	Main deck fwd:					
	Main deck aft:					
	Poop deck:					
9.2	Wire tails	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:					
	Main deck fwd:					
	Main deck aft:					
	Poop deck:					
9.3	Ropes (on drums)	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	4	44.00Millimetres	PP/PES	200.00 Metres	42.00 Metric Tonnes
	Main deck fwd:					
	Main deck aft:					
	Poop deck:	4	44.00Millimetres	PP/PES	200.00 Metres	50.30Metric Tonnes
9.4	Other lines	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	4	44.00 Millimetres	PP/PES	220.00 Metres	37.10 Metric Tonnes
	Main deck fwd:					
	Main deck aft:	4	44 Millimetres	PP/PES	220 Metres	44.00 Metric Tonnes
	Poop deck:	3	44.00 Millimetres	PP/PES	220.00 Metres	37.10 Metric Tonnes
9.5	Winches	No.	No. Drums	Motive Power	Brake Capacity	Type of Brake
	Forecastle:	2	Double	Hydraulic	20.00 Metric	

					Tonnes	
	Main deck fwd:		Double Drums			
	Main deck aft:		Double Drums			
	Poop deck:	2	Double	Hydraulic	20.00 Metric Tonnes	
9.6	Bitts, closed chocks/fairleads		No. Bitts	SWL Bitts	No. Closed Chocks	SWL Closed Chocks
	Forecastle:		6	33 Metric Tonnes	7	33 Metric Tonnes
	Main deck fwd:		4	33 Metric Tonnes	8	
	Main deck aft:		2	33 Metric Tonnes	4	33 Metric Tonnes
	Poop deck:		6	33 Metric Tonnes	8	33 Metric Tonnes

Anchors/Emergency Towing System

9.7	Number of shackles on port/starboard cable:				10 / 10	
9.8	Type/SWL of Emergency Towing system forward:				Tongue Type	100 Metric Tonnes
9.9	Type/SWL of Emergency Towing system aft:				N/A	
9.10.1	What is size of closed chock and/or fairleads of enclosed type on stern					

Escort Tug

9.10.2	What is SWL of closed chock and/or fairleads of enclosed type on stern:				60.00 Metric Tonnes	
9.11	What is SWL of bollard on poop deck suitable for escort tug:				33.00 Metric Tonnes	

Lifting Equipment/Gangway

9.12	Derrick/Crane description (Number, SWL and location):				Cranes: 1 x 08.00 Tonnes Midship center	
9.13	Accommodation ladder direction:					
	Does vessel have a portable gangway? If yes, state length:					

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)'?				Yes	
9.15	If fitted, how many chain stoppers:				1	
9.16	State type/SWL of chain stopper(s):				Smit Tongue	200.00 Metric Tonnes
9.17	What is the maximum size chain diameter the bow stopper(s) can handle:				65.00 Millimetres	
9.18	Distance between the bow fairlead and chain stopper/bracket:				2,000 Millimetres	
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:				13.50 Knots (WSNP)	12 Knots(WSNP)
	Laden speed:				13.50 Knots (WSNP)	11.50 Knots (WSNP)
10.2	What type of fuel is used for main propulsion/generating plant:				LSFO 180cSt	HFO cSt 380 (LSHFO-380 Cst in ECA area LSMGO in all EU ports)
10.3	Type/Capacity of bunker tanks:				<ul style="list-style-type: none"> Fuel Oil: 642.13 Cu. Metres Diesel Oil: 76.80 Cu. Metres Gas Oil: 0 Cu. Metres 	
10.4	Is vessel fitted with fixed or controllable pitch propeller(s):				Yes	

10.5	Engines	No	Capacity	Make/Type
	Main engine:	1	4440 kW	STX MAN B&W 6S35MC MK 7
	Aux engine:	3	511.5 kW	STX MAN L16 / 24
	Power packs:	1	750kW	FRAMO
	Boilers:	1	12000 kg/Hour	MISSION 02-12000
Bow/Stern Thruster				
10.6	What is brake horse power of bow thruster (if fitted):	Yes, 550.00 HP		
10.7	What is brake horse power of stern thruster (if fitted):	None		
Emissions				
10.8	Main engine IMO NOx emission standard:	Yes		
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:			
11.3	Date/place of last STS operation:			
12. RECENT OPERATIONAL HISTORY				
12.1	Last three cargoes/charterers/voyages (Last/2nd Last/3rd Last):	1 st Last : CPO/PDV TRANS / V1914 2 nd Last: CSS / PDV TRANS / V1913 3 rd Last: CPO / PDV TRANS/ V1912		
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, Collision: No,		
12.3	Date and place of last Port State Control inspection:	Nov 06, 2019. Dumai - Indonesia		
12.4	Any outstanding deficiencies as reported by any Port State Control? If yes, provide details:	None		
12.5	Recent Oil company inspections/screenings (To the best of owners knowledge and without guarantee of acceptance for future business)*: <i>* "Approvals" are not given by Oil Majors and ships are accepted for the voyage on a case by case basis.</i>	N/A		
12.6	Date/Place of last SIRE inspection:	EQUINOR/ SEPT 30, 2019/ CHENNAI, INDIA		
12.7	Additional information relating to features of the ship or operational characteristics:	None		

Revised 2018 (INTERTANKO/Q88.com)