

1.	VESSEL DESCRIPTION		
1.1	Date updated:		
1.2	Vessel's name:	Horizon Armonia	
1.3	IMO number:	9407354	
1.4	Vessel's previous name(s) and date(s) of change:	Not Applicable	
1.5	Date delivered:	July 10, 2008	
1.6	Builder (where built):	SPP Shipbuilding Co, Ltd, South Korea	
1.7	Flag:	Liberia	
1.8	Port of Registry:	Monrovia	
1.9	Call sign:	A8QI9	
1.10	Vessel's telcom phone number:	+870 773 251 673	
	Vessel's fax number:	+870 764860730	
	Vessel's telex number:	+581 463702633	
	Vessel's email address:	horizon.armonia@amosconnect.com	
1.11	Type of vessel:	Oil / Chemical Tanker IMO 3	
1.12	Type of hull:	Double Hull	
Classification			
1.13	Classification society:	ABS	
1.14	Class notation:	+A1, Chemical Carrier, Oil Carrier, (E), + AMS ,+ ACCU , VEC-L, TCM, FL 30, AB-CM, CSR, RES	
1.15	If Classification society changed, name of previous society:	N/A	
1.16	If Classification society changed, date of change:	N/A	
1.17	IMO type, if applicable:	3	
1.18	Does the vessel have ice class? If yes, state what level:	No	
1.19	If ship has Condition Assessment Program (CAP), what is the latest overall rating:	N/A	
1.20	Does the vessel have a statement of compliance issued under the provisions of the Condition Assessment Scheme (CAS): If yes, what is the expiry date?	N/A	
Dimensions			
1.25	Length Over All (LOA):	183,094	Meters
1.26	Length Between Perpendiculars (LBP):	174,00	Meters
1.27	Extreme breadth (Beam):	32,200	Meters
1.28	Moulded depth:	19.10	Meters
1.29	Keel to Masthead (KTM) / KTM in collapsed condition (if	46.363 m	Meters
1.30	Bow to Center Manifold (BCM) / Stern to Center Manifold	91.181/91.811m	Meters
1.31	Distance bridge front to center of manifold:	59.248m	
1.32	Parallel body distances:	Lightship	Normal Ballast
	Forward to mid-point manifold:	33.356	47.555 Meters
	Aft to mid-point manifold:	30.518	43.292 Meters
	Parallel body length:	63.889	92.282 Meters
1.33	FWA at summer draft / TPC immersion at summer draft:	293	52.01 Metric
1.34	What is the max height of mast above waterline (air draft)	Full Mast	Collapsed Mast
	Lightship:	43.705Meters	Meters
	Normal ballast:	38.94 Meters	Meters
	At loaded summer deadweight:	33.35Meters	Meters
Tonnages			
1.35	Net Tonnage:	13429	

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1.36	Gross Tonnage / Reduced Gross Tonnage (if applicable):	29828	22907
1.37	Suez Canal Tonnage – Gross (SCGT) / Net (SCNT) :	30987.58	26624.41
1.38	Panama Canal Net Tonnage (PCNT) :	24760	
Loadline Information			
1.39	Loadline	Freeboard	Draft
	Summer:	6.115	12.985
	Winter:	6.386	12.742
	Tropical:	5.844	13.284
	Lightship:	16.470	2.658
	Normal Ballast Condition:	11.708	7.420
1.40	Does vessel have multiple SDWT?		Yes
1.41	If yes, what is the maximum assigned deadweight?		49,999
Ownership and Operation			
1.42	Commercial operator – Full style:	Horizon Tankers Ltd 24 Kaningos Street 18534Piraeus, Greece Tel: + 30 210 410 2020 Fax: +30 210 410 2141 Telex: 214121 HZRT Email: <a href="mailto:operation@horizontankers.gr">operation@horizontankers.gr</a>	
1.43	Disponent owner – Full style:	N/A	

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2. Documentation		
2.1	Does vessel have all updated publications as listed in the Vessel Inspection Questionnaire, Chapter 2- Question 2.24, as applicable:	YES
2.2	Owner warrant that vessel is member of ITOPF and will remain so for the entire duration of this voyage/contract:	YES

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3. CREW MANAGEMENT		
3.1	Nationality of Master:	Ex Soviet
3.2	Nationality of Officers:	Ex Soviet
3.3	Nationality of Crew:	Filipino
3.4	If Officers/Crew employed by a Manning Agency - Full style:	Officers: VShips UK Ltd. Crew: VShips UK Ltd.
3.5	What is the common working language onboard:	English
3.6	Do officers speak and understand English:	Yes
3.7	In case of Flag Of Convenience, is the ITF Special Agreement on board:	Yes JULY 10,2012

4. HELICOPTERS		
4.1	Can the ship comply with the ICS Helicopter Guidelines:	Yes
4.2	If Yes, state whether winching or landing area provided:	Winching

5. FOR USA CALLS		
5.1	Has the vessel Operator submitted a Vessel Spill Response Plan to the US Coast Guard which has been approved by official USCG letter:	Yes

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5.2	Qualified individual (QI) - Full style:	O'Brien Response Management Tel: +1- 985- 781-0804 Email: commandcente r @oopsusa.com
5.3	Oil Spill Response Organization (OSRO) -Full style:	USCG NRC Tel: +1-202- 267-2675 Tel: +1-800- 424-8802
5.4	Has technical operator signed the SCIA / C-TPAT agreement with US customs concerning drug smuggling:	NA

<b>6. CARGO AND BALLAST HANDLING</b>		
Double Hull Vessels		
6.1	Is vessel fitted with centerline bulkhead in all cargo tanks:	Yes
6.2	If Yes, is bulkhead solid or perforated:	Solid
Carg Tank Capacities		
6.3	Capacity (98%) of each natural segregation with double valve (specify tanks):	Wings 1- 6147.073 Wings 2- 9229.050 Wings 3- 9407.512 Wings 4- 9406.927 Wings 5- 9405.112 Wings 6- 8509.07 Wings sl- 1401.050
6.4	Total cubic capacity (98%, excluding slop tanks):	52102.759 m3 Cu.
6.5	Slop tank(s) capacity (98%):	1401.050 m3 Cu.
6.6	Residual/Retention oil tank(s) capacity (98%), if applicable:	100.421 m3 Cu. Meters
6.7	Does vessel have Segregated Ballast Tanks (SBT) or Clean Ballast Tanks (CBT):	SBT
SBT Vessels		
6.8	What is total capacity of SBT?	23027.135 Cu.
6.9	What percentage of SDWT can vessel maintain with SBT only:	51.26 %
6.10	Does vessel meet the requirements of MARPOL Annex I Reg 18.2: (previously Reg 13.2)	Yes
Carg Handling		
6.11	How many grades/products can vessel load/discharge with double valve segregation:	7 grades
6.12	Maximum loading rate for homogenous cargo per manifold	1520 Cu.M/Ho

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6.13	Maximum loading rate for homogenous cargo loaded simultaneously through all manifolds:		4560	Cu.M/Hour
6.14	Are there any cargo tank filling restrictions. If yes, please specify:		SG = 1.53	58% max
<b>Pumping Systems</b>				
6.15	Pumps:	No.	Type	Capacity
	Cargo:	12	FramoO SD200	600 Cu.M/Hour
	Stripping: NA /	2	Framo SD150	300 Cu.M/Hour
	Eductors: cargo - NA	1	Sea W driven	100 Cu.M/Hour
	Ballast:	2	Framo SB300	750 Cu.M/Hour
6.16	How many cargo pumps can be run simultaneously at full		6 pumps	
<b>Carg Control Room</b>				
6.17	Is ship fitted with a Cargo Control Room (CCR):		Yes / No / YES	
6.18	Can tank innage / ullage be read from the CCR:		Yes / No / YES	
<b>Gauging and Sampling</b>				
6.19	Can ship operate under closed conditions in accordance with		Yes / No / YES	
6.20	What type of fixed closed tank gauging system is fitted:		Emerson Star Radar	
6.21	Are overfill (high-high) alarms fitted? If Yes, indicate whether to all tanks or partial:		YES. ALL COT'S and RESIDUE	
<b>Vapor Emission Control</b>				
6.22	Is a vapor return system (VRS) fitted:		Yes	
6.23	Number/size of VRS manifolds (per side):	2/2		300Millimeter
<b>Venting</b>				
6.24	State what type of venting system is fitted:		Individual P/V valves and Mast Riser	
<b>Cargo Manifolds</b>				
6.25	Does vessel comply with the latest edition of the OCIMF Recommendations for Oil Tanker Manifolds and Associated		Yes	
6.26	What is the number of cargo connections per side:		7	
6.27	What is the size of cargo connections:		350 mm	
6.28	What is the material of the manifold:		SUS 316	
<b>Manifold Arrangement</b>				
6.29	Distance between cargo manifold centers:		2000 mm	
6.30	Distance ships rail to manifold:		4600 mm	
6.31	Distance manifold to ships side:		4600 mm	
6.32	Top of rail to center of manifold:		700 mm	
6.33	Distance main deck to center of manifold:		2100 mm	
6.34	Manifold height above the waterline in normal ballast / at		13.74 M	8.15 M
6.35	Number / size reducers:		12 pcs : 400 mm to 350 mm (16"x14") 2 pcs : 400 mm to 200 mm (16"x 8") 6 pcs: 200 mm to 350 mm (8"x14") 6 pcs: 250 mm to 350 mm (10"x 14") 6 pcs: 300 mm to 350 mm (12"x 14") 1 pc : 200 mm to 200 mm ( 8"x 8") 1 pc: 250 mm to 200 mm (10"x 8") 1 pc : 300 mm to 200 mm ( 12"x 8")	
<b>Stern Manifold</b>				
6.36	Is vessel fitted with a stern manifold:		No	
6.37	If stern manifold fitted, state size:		NA	
<b>Cargo Heating</b>				

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6.38	Type of cargo heating system?	DECK MOUNTED CARGO HEATER		
6.39	If fitted, are all tanks coiled?	N/A		
6.40	If fitted, what is the material of the heating coils:	STAINLESS STEEL (SUS 316 L /AS PER framo Standard)		
6.41	Maximum temperature cargo can be loaded/maintained:	66 Degrees C	66 Degrees C	
Tank Coating				
6.42	Are cargo, ballast and slop tanks coated?	Coated	Type	To What Extent
	Cargo tanks:	Yes / No /	Pure Epoxy	100%
	Ballast tanks:	Yes / No /	Pure Epoxy	100%
	Slop tanks:	Yes / No /	Pure Epoxy	100%
6.43	If fitted, what type of anodes are used:			

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7.	INERT GAS AND CRUDE OIL WASHING			
7.1	Is an Inert Gas System (IGS) fitted:	Yes		
7.2	Is IGS supplied by flue gas, inert gas (IG) generator and/or	IG gas		
7.3	Is a Crude Oil Washing (COW) installation fitted:	Yes		

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8.	MOORING					
8.1	Mooring wires (on	No.	Diameter	Material	Length	Breaking
	Forecastle:	na	Millimete		Meter	Metric
	Main deck fwd:	na	Millimete		Meter	Metric
	Main deck aft:	na	Millimete		Meter	Metric
	Poop deck:	na	Millimete		Meter	Metric
8.2	Wire tails	No.	Diameter	Material	Length	Breaking
	Forecastle:	na	Millimete		Meter	Metric
	Main deck fwd:	na	Millimete		Meter	Metric
	Main deck aft:	na	Millimete		Meter	Metric
	Poop deck:	na	Millimete		Meter	Metric
8.3	Mooring ropes (on	No.	Diameter	Material	Length	Breaking
	Forecastle:	4	60	Jetflex(pp/pes mix	250	67 Metric
	Main deck fwd:	2	60	Jetflex(pp/pes mix	250	67 Metric
	Main deck aft:	4	60	Jetflex(pp/pes mix	250	67 Metric
	Poop deck:	2	60	Jetflex(pp/pes mix	250	67 Metric
8.4	Other mooring lines	No.	Diameter	Material	Length	Breaking
	spare Forecastle:	5	64	pp60%polyes40%	220	73.6 Metric
	Main deck fwd:		Millimeters		Meter	Metric
	Main deck aft:		Millimeters		Meter	Metric
	spare Poop deck:	3	64	pp60%polyes40%	220	73.6 Metric
8.5	Mooring winches	No.			# Drums	Brake Capacity
	Forecastle:			2 combined with winch	Double	40.2 Metric Tons
	Main deck fwd:			1	Double	40.2 Metric Tons
	Main deck aft:			1	Double	40.2 Metric Tons
	Poop deck:			2	Double	40.2 Metric Tons
8.6	Mooring bitts				No.	SWL
			Forecastl		2/4=6	51/64 Metric
			Main deck		2/1	51/64 Metric
			Main deck		2	51 Metric
			Poop		8	64 Metric
8.7	Closed chocks and/or fairleads of enclosed type				No.	SWL
			Forecastl		2/6	64/51 Metric
			Main deck		1/4	64/51 Metric
			Main deck		4	51 Metric
			Poop		5/8	64/51 Metric
Emergency Towing System						
8.8	Type / SWL of Emergency Towing system forward:				C-type	200 Metric

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8.9	Type / SWL of Emergency Towing system aft:	C-type	200	Metric
Anchors				
8.10	Number of shackles on port cable:	11	1sh - 27.5 m	
8.11	Number of shackles on starboard cable:	12		
Escort Tug				
8.12	What is SWL and size of closed chock and/or fairleads of enclosed type on stern:	360x260	64	Metric Tons
8.13	What is SWL of bollard on poopdeck suitable for escort tug:	64		
Bow/Stern Thruster				
8.14	What is brake horse power of bow thruster (if fitted):	NABHP		kW
8.15	What is brake horse power of stern thruster (if fitted):	NABHP		kW
Single Point Mooring (SPM) Equipment				
8.16	Does vessel comply with the latest edition of OCIMF 'Recommendations for Equipment Employed in the Mooring of Vessels at Single Point Moorings (SPM)':	Yes		
8.17	Is vessel fitted with chain stopper(s):	Yes		
8.18	How many chain stopper(s) are fitted:	1		
8.19	State type of chain stopper(s) fitted:	C-type		
8.20	Safe Working Load (SWL) of chain stopper(s):	200 Metric Tons		
8.21	What is the maximum size chain diameter the bow stopper(s)	76 Millimeters		
8.22	Distance between the bow fairlead and chain stopper/bracket:	3500 Millimeters		
8.23	Is bow chock and/or fairlead of enclosed type of OCIMF recommended size (600mm x 450mm)? If not, give details of	Yes		
Lifting Equipment				
8.24	Derrick / Crane description (Number, SWL and location):	Cranes: 10t manifold; 3t poop P/S		
8.25	What is maximum outreach of cranes / derricks outboard of the	9.362 Meters		
Ship To Ship Transfer (STS)				
8.26	Does vessel comply with recommendations contained in OCIMF/ICS Ship To Ship Transfer Guide (Petroleum or Liquefied Gas, as applicable):	Yes		

9. MISCELLANEOUS

Engine Room

9.1	What type of fuel is used for main propulsion?	HFO 380 cST		
9.2	What type of fuel is used in the generating plant?	HFO 380 cST		
9.3	Capacity of bunker tanks - IFO and MDO/MGO:	1301 Cu. Meters	112 Cu. Meters	
9.4	Is vessel fitted with fixed or controllable pitch propeller(s)?	Fixed		

Insurance

9.5	P & I Club - Full Style:	Skuld		
9.6	P & I Club coverage - pollution liability coverage:	US\$ 1,000,000,000.00		