

INTERTANKO'S STANDARD TANKER CHARTERING QUESTIONNAIRE 88 (Q88)

1.	VESSEL DESCRIPTION	
1.1	Date updated:	30 November 2015
1.2	Vessel's name:	Horizon Electra
1.3	IMO number:	9418119
1.4	Vessel's previous name(s) and date(s) of change:	Harbour Star / Abu Dhabi Star
1.5	Date delivered:	25 February 2008
1.6	Builder (where built):	STX Korea
1.7	Flag:	Marshall Islands
1.8	Port of Registry:	Majuro
1.9	Call sign:	V7FH4
1.10	Vessel's FBB phone number:	+870 773935149
	Vessel's fax number:	+870 783929750
	Vessel's telex number:	453839874
	Vessel's email address:	horizon.electra@amosconnect.com
1.11	Type of vessel:	Chemical IMO 3 / Oil Tanker
1.12	Type of hull:	Double Hull
Classification		
1.13	Classification society:	LR
1.14	Class notation:	+100A1 Double Hull Oil and Chemical Tanker, Ship Type 3, ESP. LI, CSR, SPM, +LMC, IGS, UMS, Part higher Tensile steel, ETA ad Shipright(SCM, BWMP(S+F), PCWBT, SERS)
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	Date / place of last dry-dock:	07 March 2013, Zhoushan, China
1.20	Date next dry dock due	24 February 2018
1.21	Date of last special survey / next survey due:	25.02.2013 / 24.02.2018
1.22	Date of last annual survey:	17.04.2015
1.23	If ship has Condition Assessment Program (CAP), what is the latest overall rating:	N/A
1.24	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):	183.000 Meters

1.26	Length Between Perpendiculars (LBP):		173.900 Meters	
1.27	Extreme breadth (Beam):		32.200 Meters	
1.28	Moulded depth:		19.100 Meters	
1.29	Keel to Masthead (KTM) / KTM in collapsed condition (if		45.800 Meters	N/A Meters
1.30	Bow to Center Manifold (BCM) / Stern to Center Manifold (SCM):		91.180 Meters	91.820 Meters
1.31	Distance bridge front to center of manifold:		59.24 Meters	
1.32	Parallel body distances:		Lightship	Normal Ballast
	Forward to mid-point manifold:		33.356 Meters	47.555 Meters
	Aft to mid-point manifold:		30.518 Meters	44.727 Meters
	Parallel body length:		63.889 Meters	92.282 Meters
1.33	FWA at summer draft / TPC immersion at summer draft:		293 Millimeters	52.01 Metric
1.34	What is the max height of mast above waterline (air draft)		Full Mast	Collapsed Mast
	Lightship:		43.705 Meters	N/A Meters
	Normal ballast:		38.940 Meters	N/A Meters
	At loaded summer deadweight:		33.287 Meters	N/A Meters
Tonnages				
1.35	Net Tonnage:		13645	
1.36	Gross Tonnage / Reduced Gross Tonnage (if applicable):		29734	
1.37	Suez Canal Tonnage - Gross (SCGT) / Net (SCNT):		31136.11	26595.23
1.38	Panama Canal Net Tonnage (PCNT):		24682	
Loadline Information				
1.39	Loadline	Freeboard	Draft	Deadweight
	Summer:	6.098 Meters	13.150 Meters	51,068.600 MT
	Winter:	6.237 Meters	12.876 Meters	49,646.300 MT
	Tropical:	5,689 Meters	13.719 Meters	52,490.900 MT
	Lightship:	16.417 Meters	2.669 Meters	N/A
	Normal Ballast Condition:	11.673 Meters	7.440 Meters	22,329.00 MT
1.40	Does vessel have multiple SDWT?			
1.41	If yes, what is the maximum assigned deadweight?			
Ownership and Operation				
1.42	Registered owner - Full style:		GLENBROOK NAVIGATION LTD. Trust Company Complex Ajeltake road, Ajeltake Island, Majuro Marshall Islands, MH 96960 c/o Horizon Tankers Limited S.A. Tel: +30 210 410 2020 Fax: +30 210 410 2141 Email: operation@horizontankers.gr	

1.43	Technical operator - Full style:	V SHIPS UK LTD 8 ELLIOT PLACE, GLASGOW G3 8EP Tel: +441412432435 Fax: +441412432436 Email: helecvcg@vships.com
1.44	Commercial operator - Full style:	Horizon Tankers Limited SA 24 Kaningos Street 18534 Piraeus, Greece Tel: +30 210 410 2020 Fax: +30 210 410 2141 Telex: 214121 HZRT Email: operation@horizontankers.gr
1.45	Disponent owner - Full style:	N/A

2.	CERTIFICATION	Issued	Last Annual or Intermediate	Expires
2.1	Safety Equipment Certificate:	22.10.2015	17.04.2015	24.02.2018
2.2	Safety Radio Certificate:	22.10.2015	17.04.2015	24.02.2018
2.3	Safety Construction Certificate:	22.10.2015	17.04.2015	
2.4	Loadline Certificate:	22.10.2015	17.04.2015	24.02.2018
2.5	International Oil Pollution Prevention Certificate (IOPPC):	22.10.2015	17.04.2015	24.02.2018
2.6	Safety Management Certificate (SMC):	22.10.2015		27.02.2019
2.7	Document of Compliance (DOC):	15.05.2013	08.07.2015	23.07.2018
2.8	USCG (specify: COC, LOC or COI):	12.20.2014		12.20.2016
2.9	Civil Liability Convention Certificate (CLC):	20.02.2015	N/A	20.02.2016
2.10	Civil Liability for Bunker Oil Pollution Damage Convention Certificate (CLBC):	20.02.2015	N/A	20.02.2016
2.11	U.S. Certificate of Financial Responsibility (COFR):	30.04.2014	N/A	30.04.2017
2.12	Certificate of Fitness (Chemicals):	22.10.2015	17.04.2015	24.02.2018
2.13	Certificate of Fitness (Gas):	N/A	N/A	N/A
2.14	Certificate of Class:	22.10.2015	17.04.2015	24.02.2018
2.15	International Ship Security Certificate (ISSC):	22.10.2015	N/A	27.10.2019
2.16	International Sewage Pollution Prevention Certificate (ISPPC)	22.10.2015	N/A	24.02.2018
2.17	International Air Pollution Prevention Certificate	22.10.2015	17.04.2015	24.02.2018
Documentation				

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

3.	CREW MANAGEMENT	
3.1	Nationality of Master:	Georgian
3.2	Nationality of Officers:	Georgian, Latvian, Russian
3.3	Nationality of Crew:	Filipino
3.4	If Officers/Crew employed by a Manning Agency - Full style:	Officers: V.Ships (UK) Ltd. Crew: V.Ships (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	Yes

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 only

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
5.2	Qualified individual (QI) - Full style:	O' Briens Oil Pollution Service Phone number: +1 985 781 0804
5.3	Oil Spill Response Organization (OSRO) -Full style:	NRC Phone: +1 631 224 9141
5.4	Has technical operator signed the SCIA / C-TPAT agreement with US customs concerning drug smuggling:	Yes

6.	CARGO AND BALLAST HANDLING	
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
Cargo Tank Capacities		

6.3	Capacity (98%) of each natural segregation with double valve (specify tanks):	COT 1 Port/Stbd: 6149.712 Cu.Meters COT 2 Port/Stbd: 9230.697 Cu.Meters COT 3 Port/Stbd: 9411.991 Cu.Meters COT 4 Port/Stbd: 9415.379 Cu.Meters COT 5 Port/Stbd: 9402.987 Cu.Meters COT 6 Port/Stbd: 8509.712 Cu.Meters Slops Port/Stbd: 1401.831 Cu.Meters		
6.4	Total cubic capacity (98%, excluding slop tanks):	52,120.478 Cu.Meters		
6.5	Slop tank(s) capacity (98%):	1,401.831 Cu.Meters		
6.6	Residual/Retention oil tank(s) capacity (98%), if applicable:	97.482 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?	23,031.075 Cu.Meters		
6.9	What percentage of SDWT can vessel maintain with SBT only:	46.8 %		
6.10	Does vessel meet the requirements of MARPOL Annex I Reg 18.2: (previously Reg 13.2)	Yes		
Cargo 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	1650 Cb.M/Hour		
6.13	Maximum loading rate for homogenous cargo loaded simultaneously through all manifolds:	4560 Cb.M/Hour		
6.14	Are there any cargo tank filling restrictions. If yes, please specify:	No		
Pumping Systems				
6.15	Pumps:	No.	Type	Capacity
	Cargo:	14	FRAMO Hydraulic Driven Deep Well	12 x 600 Cu.M/Hour 2 x 300 Cu.M/Hour
	Stripping:	N/A	N/A	Cu.M/Hour
	Eductors:	N/A	N/A	Cu.M/Hour

	Ballast:	2	FRAMO Hydraulic Driven Centrifugal	750 Cu.M/Hour
6.16	How many cargo pumps can be run simultaneously at full	6 cargo pumps		
Cargo Control Room				
6.17	Is ship fitted with a Cargo Control Room (CCR):	Yes		
6.18	Can tank innage / ullage be read from the CCR:	Yes		
Gauging and Sampling				
6.19	Can ship operate under closed conditions in accordance with	Yes		
6.20	What type of fixed closed tank gauging system is fitted:	SAAB Tank Radars		
6.21	Are overfill (high-high) alarms fitted? If Yes, indicate whether to	Yes, for all tanks		
Vapor Emission Control				
6.22	Is a vapor return system (VRS) fitted:	Yes		
6.23	Number/size of VRS manifolds (per side):	2 connections	300 Millimeters	
Venting				
6.24	State what type of venting system is fitted:	High Velocity		
Cargo Manifolds				
6.25	Does vessel comply with the latest edition of the OCIMF 'Recommendations for Oil Tanker Manifolds and Associated Equipment'?	Yes		
6.26	What is the number of cargo connections per side:	7 connections		
6.27	What is the size of cargo connections:	350 Millimeters		
6.28	What is the material of the manifold:	Stainless Steel SUS 316		
Manifold Arrangement				
6.29	Distance between cargo manifold centers:	2000 Millimeters		
6.30	Distance ships rail to manifold:	4600 Millimeters		
6.31	Distance manifold to ships side:	4600 Millimeters		
6.32	Top of rail to center of manifold:	4450 Millimeters		
6.33	Distance main deck to center of manifold:	2100 Millimeters		
6.34	Manifold height above the waterline in normal ballast / at SDWT	13.739 Meters	8.153	

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")
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Stern Manifold

6.36	Is vessel fitted with a stern manifold:	N/A
6.37	If stern manifold fitted, state size:	Millimetres

Cargo Heating

6.38	Type of cargo heating system?	Deck Mounted Cargo Heaters
6.39	If fitted, are all tanks coiled?	No, Two Slop Tanks only
6.40	If fitted, what is the material of the heating coils:	Stainless Steel SUS 316
6.41	Maximum temperature cargo can be loaded/maintained:	66 deg Celsius

Tank Coating

6.42	Are cargo, ballast and slop tanks coated?	Coated	Type	To What Extent
	Cargo tanks:	Yes	Pure Epoxy	Whole Tank
	Ballast tanks:	Yes	Epoxy	Whole Tank
	Slop tanks:	Yes	Pure Epoxy	Whole Tank
6.43	If fitted, what type of anodes are used:	Zinc sacrificial anodes (WBT only)		

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	Inert Gas Generator
7.3	Is a Crude Oil Washing (COW) installation fitted:	Yes

8.	MOORING					
8.1	Mooring wires (on	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	4	60 Millimeters	Jetflex	250 Meters	67 Metric Tons
	Main deck fwd:	2	60 Millimeters	Jetflex	250 Meters	67 Metric Tons
	Main deck aft:	2	60 Millimeters	Jetflex	250 Meters	67 Metric Tons
	Poop deck:	4	60 Millimeters	Jetflex	250 Meters	67 Metric Tons
8.2	Wire tails	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	4	72 Millimeters	Polyamide	11 Meters	106 Metric Tons
	Main deck fwd:	4	72 Millimeters	Polyamide	11 Meters	106 Metric Tons
	Main deck aft:	4	72 Millimeters	Polyamide	11 Meters	106 Metric Tons

	Poop deck:	4	72 Millimeters	Polyamide	11 Meters	106 Metric Tons
8.3	Mooring ropes (on	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	4	32 Millimeters	Steel	220 Meters	68.8 Metric Tons
	Main deck fwd:	4	32 Millimeters	Steel	220 Meters	68.8 Metric Tons
	Main deck aft:	4	32 Millimeters	Steel	220 Meters	68.6 Metric Tons
	Poop deck:	4	32 Millimeters	Steel	220 Meters	68.8 Metric Tons
8.4	Other mooring lines	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:		60 Millimeters	Jetflex	220 Meters	67 Metric Tons
	Main deck fwd:	N/A	Millimeters		Meters	Metric Tons
	Main deck aft:	N/A	Millimeters		Meters	Metric Tons
	Poop deck:		60 Millimeters	Jetflex	220 Meters	67 Metric Tons
8.5	Mooring winches	No.			# Drums	Brake Capacity
	Forecastle:			2	Double	40.2 Metric Tons
	Main deck fwd:			2	Double	40.2 Metric Tons
	Main deck aft:			2	Double	40.2 Metric Tons
	Poop deck:			4	Double	40.2 Metric Tons
8.6	Mooring bitts				No.	SWL
	Forecastle:				6	64 Metric Tons
	Main deck fwd:				4	64 Metric Tons
	Main deck aft:				8	64 Metric Tons
	Poop deck:				8	64 Metric Tons
8.7	Closed chocks and/or fairleads of enclosed type				No.	SWL
	Forecastle:				3	67 Metric Tons
	Main deck fwd:				9	67 Metric Tons
	Main deck aft:				8	67 Metric Tons
	Poop deck:				7	67 Metric Tons
Emergency Towing System						
8.8	Type / SWL of Emergency Towing system forward:				Tongue	200 Metric Tons
8.9	Type / SWL of Emergency Towing system aft:				Escort Pull Back	200 Metric Tons
Anchors						
8.10	Number of shackles on port cable:				11 x 27.5 metres	
8.11	Number of shackles on starboard cable:				12 x 27.5 metres	
Escort Tug						
8.12	What is SWL and size of closed chock and/or fairleads of enclosed type on stern:				200 Metric Tons	1160 x 504 Millimeters
8.13	What is SWL of bollard on poop deck suitable for escort tug:				200 Metric Tons	
Bow/Stern Thruster						
8.14	What is brake horse power of bow thruster (if fitted):				N/A	kW
8.15	What is brake horse power of stern thruster (if fitted):				N/A	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:	One
8.19	State type of chain stopper(s) fitted:	Tongue 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) can	100 Millimeters
8.22	Distance between the bow fairlead and chain stopper/bracket:	3178 Millimeters
8.23	Is bow chock and/or fairlead of enclosed type of OCIMF recommended size (600mm x 450mm)? If not, give details of size:	Yes
Lifting Equipment		
8.24	Derrick / Crane description (Number, SWL and location):	Deck Crane, 1 x 10 tons, Midships
8.25	What is maximum outreach of cranes / derricks outboard of the ship's side:	9 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, Petroleum

9. MISCELLANEOUS

Engine Room

9.1	What type of fuel is used for main propulsion?	IFO 380 cST
9.2	What type of fuel is used in the generating plant?	IFO 380 cST
9.3	Capacity of bunker tanks - IFO and MDO/MGO:	1270.3 Cu.Meters 419 Cu.Meters
9.4	Is vessel fitted with fixed or controllable pitch propeller(s)?	Fixed Pitch Propeller

Insurance

9.5	P & I Club - Full Style:	UK P&I The Managers Thomas Miller P&I (Europe)Ltd. 90 Fenchurch street, London EC3M 4ST T+44(0)2072834646 F+44(0)2076219761 Underwriting.ukclub@thomasmiller.com
9.6	P & I Club coverage - pollution liability coverage:	1 billion US\$

Port State Control

9.7	Date and place of last Port State Control inspection:	17.03.2015 St.Estatius
9.8	Any outstanding deficiencies as reported by any Port State	No
9.9	If yes, provide details:	N/A
Recent Operational History		
9.10	Has vessel been involved in a pollution, grounding, serious casualty or collision incident during the past 12 months? If yes, full description:	No
9.11	Last three cargoes / charterers / voyages (Last / 2nd Last / 3rd Last):	Last : SBO Dreyfus 1st : ULSD Cargill 2nd : ULSD Cargill
Vetting		
9.12	Date/Place of last SIRE Inspection:	STATOIL inspection planned at Mundra on Dec 6th 2015
9.13	Date/Place of last CDI Inspection:	
9.14	Recent Oil company inspections/screenings (To the best of owners knowledge and without guarantee of acceptance for future business)*: <i>* Blanket "approvals" are no longer given by Oil Majors and ships are accepted for the voyage on a case by case basis.</i>	