

1. VESSEL DESCRIPTION			
1.1	Date updated:	May 05, 2016	
1.2	Vessel's name (IMO number):	Ivory Ray (9505986)	
1.3	Vessel's previous name(s) and date(s) of change:	HIGHBURY PARK (Mar 06, 2014) SANKO NOBLE (Jan 24, 2012)	
1.4	Date delivered / Builder (where built):	Mar 22, 2011 / Fukuoka Shipbuilding Co., Ltd., Fukuoka, Japan	
1.5	Flag / Port of Registry:	Liberia / MONROVIA	
1.6	Call sign / MMSI:	A8YK4 / 636 015 074	
1.7	Vessel's contact details (satcom/fax/email etc.):	Tel: +881 677 712 904	
		Fax: INMARSAT F77 :765077591	
		Email: IvoryRay@andrapido3.com	
1.8	Type of vessel (as described in Form A or Form B Q1.11 of the IOPPC):	Other	
1.9	Type of hull:	Double Hull	
Classification			
1.10	Classification society:	Nippon Kaiji Kyokai	
1.11	Class notation:	NS (Tanker, Oils-Flashpointon and below 60 degree C and Chemicals Type II and III), MNS (ESP)	
1.12	Is the vessel subject to any conditions of class, class extensions, outstanding memorandums or class recommendations? If yes, give details:	No	
1.13	If classification society changed, name of previous and date of change:	, Not Applicable	
1.14	IMO type, if applicable:	2,3	
1.15	Does the vessel have ice class? If yes, state what level:	No ,	
1.16	Date / place of last dry-dock:	Not Applicable /	
1.17	Date next dry dock due / next annual survey due:	Nov 12, 2018	Mar 21, 2017
1.18	Date of last special survey / next special survey due:	Not Applicable	Mar 21, 2017
1.19	If ship has Condition Assessment Program (CAP), what is the latest overall rating:	No ,	
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 Not Applicable	
Dimensions			
1.21	Length overall (LOA):	146.19 m	
1.22	Length between perpendiculars (LBP):	138.10 m	
1.23	Extreme breadth (Beam):	24.23 m	
1.24	Moulded depth:	12.90 m	
1.25	Keel to masthead (KTM)/ Keel to masthead (KTM) in collapsed condition, if applicable:	37.30 m	m
1.26	Bow to center manifold (BCM) / Stern to center manifold (SCM):	73.34 m	72.85 m
1.27	Distance bridge front to center of manifold:	45.25 m	
1.28	Parallel body distances:	Lightship	Normal Ballast
	Forward to mid-point manifold:	24.77 m	32.04 m
	Aft to mid-point manifold:	24.59 m	30.23 m
	Parallel body length:	49.357 m	62.274 m
1.29	FWA/TPC at summer draft:	210.00 mm	30.25 MT
1.30	Constant (excluding fresh water):	197 MT	
1.31	What is the company guidelines for Under Keel Clearance (UKC) for this vessel?	The minimum static UKC, which shall be maintained, is the greater of either: One meter; or 10% of the ships maximum static draught. The minimum dynamic UKC, which shall be maintained, is Not less than 0.30 meters, for a vessel of extreme breadth less than 30 meters; and Not less than 1.0% of its extreme breadth for a vessel of beam 30 meters or more When a vessel is alongside at a berth (including when at a SBM or CBM), at all states of tide and cargo operations, the following minimum UKC is to be	

		maintained: 0.3 meters Vessels with drafts less than 10 meters; 0.6 meters Vessel with draft 10 meters or more, but less than 17 meters; 0.9 meters Vessels with drafts greater than 17 meters	
1.32	What is the max height of mast above waterline (air draft)	Full Mast	Collapsed Mast
	Lightship:	34.96 m	0 m
	Normal ballast:	30.70 m	0 m
	At loaded summer deadweight:	27.77 m	0 m

Tonnages

1.33	Net Tonnage:	6193.00	
1.34	Gross Tonnage / Reduced Gross Tonnage (if applicable):	11987.00	9971
1.35	Suez Canal Tonnage - Gross (SCGT) / Net (SCNT):	12617.53	10995.67
1.36	Panama Canal Net Tonnage (PCNT):	10081.13	

Ownership and Operation

1.37	Registered owner - Full style:	SEBRINK MARINE INC. 80 BROAD STREET, MONROVIA, LIBERIA Tel: CONTACT TECHNICAL OP Fax: Not Applicable Telex: Not Applicable Email: Not Applicable		
1.38	Technical operator - Full style:	Eastern Pacific Shipping Pte. Ltd. 1 Temasek Avenue, #38-01, Millennia Tower, Singapore, 039192 Tel: +65 64335111 Fax: +65 63365311 Email: inspections@epshipping.com.sg Web: www.epshipping.com.sg Company IMO#: 1314173		
1.39	Commercial operator - Full style:	Ace Quantum Chemical Tankers C.V. Not Applicable Tel: +31 20 717 9798 Fax: Not Applicable Telex: +31 64 827 0763 Email: Pacific-operations@ace-quantum.com Web: www.ace-quantum.com		
1.40	Disponent owner - Full style:			

2.	CERTIFICATION	Issued	Last Annual	Expires
2.1	Safety Equipment Certificate (SEC):	Apr 01, 2016	Feb 21, 2016	Mar 21, 2021
2.2	Safety Radio Certificate (SRC):	Apr 01, 2016	Feb 21, 2016	Mar 21, 2021
2.3	Safety Construction Certificate (SCC):	Apr 01, 2016	Feb 21, 2016	Mar 21, 2021
2.4	International Loadline Certificate (ILC):	Apr 01, 2016	Feb 21, 2016	Mar 21, 2021
2.5	International Oil Pollution Prevention Certificate (IOPPC):	Apr 01, 2016	Feb 21, 2016	Mar 21, 2021
2.6	ISM Safety Management Certificate (SMC):	Dec 23, 2013	Mar 04, 2014	Dec 22, 2018
2.7	Document of Compliance (DOC):	Nov 28, 2013	Nov 05, 2015	Sep 25, 2018
2.8	USCG Certificate of Compliance (COC):	Nov 29, 2014		Nov 29, 2016
2.9	Civil Liability Convention (CLC) 1992 Certificate:	Feb 05, 2016	Not Applicable	Feb 20, 2017
2.10	Civil Liability for Bunker Oil Pollution Damage Convention (CLBC) Certificate:	Feb 05, 2016	Not Applicable	Feb 20, 2017
2.11	Ship Sanitation Control (SSCC)/Ship Sanitation Control Exemption (SSCE) Certificate:	Mar 02, 2016	Not Applicable	Sep 01, 2016
2.12	U.S. Certificate of Financial Responsibility (COFR):	Jul 02, 2013	Not Applicable	Mar 06, 2017
2.13	Certificate of Class (COC):	Apr 01, 2016	Feb 21, 2016	Mar 21, 2021
2.14	International Sewage Pollution Prevention Certificate (ISPPC)	Apr 01, 2016	Not Applicable	Mar 21, 2021
2.15	Certificate of Fitness (COF):	Apr 01, 2016	Feb 21, 2016	Mar 21, 2021
2.16	International Energy Efficiency Certificate (IEEC):	May 01, 2014	Not Applicable	Not Applicable
2.17	International Ship Security Certificate (ISSC):	Mar 04, 2014		Dec 22, 2018

2.18	International Air Pollution Prevention Certificate (IAPPC):	Apr 01, 2016	Feb 21, 2016	Mar 21, 2021	
2.19	Maritime Labour Certificate (MLC):	Mar 06, 2014	Not Applicable	Sep 12, 2018	
Documentation					
2.20	Owner warrant that vessel is member of ITOPF 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)?	Yes			
2.23	ITF Blue Card expiry date:	Nov 24, 2017			
3. CREW					
3.1	Nationality of Master:	Russian			
3.2	Number and Nationality of Officers:	8 Indian, Ukrainian, Vietnamese, Russian, Bulgarian			
3.3	Number and Nationality of Crew:	11 TURKISH, INDIAN, UKRAINIAN, BULGARIAN			
3.4	What is the common working language onboard:	ENGLISH			
3.5	Do officers speak and understand English:	Yes			
3.6	If Officers/Crew employed by a Manning Agency - Full style:	<p>Officers: Eastern Pacific Shipping (India) Pvt. Ltd. 101 UNIQUE CENTRE , WATERFIELD ROAD , BANDRA(W) , MUMBAI - 400050 , INDIA Tel: +91 22 26415757 Fax: +91 22 26415959 Telex: NA Email: fpdops@epshipping.com.sg Web: www.epshipping.com.sg</p> <p>Crew: Eastern Pacific Shipping (India) Private Limited 101 Unique Centre, 15 Waterfield Road, Bandra (W), Mumbai 400050 India Tel: +91 22 67763030 Fax: +91 22 26415959 Telex: - Email: mumops@epshipping.co.in</p>			
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?	Yes			
4.2	Qualified individual (QI) - Full style:	O'Brien's Oil Pollution Service Tel: +1 985 781 0804 Email: commandcenter@obriensrm.com			
4.3	Oil Spill Response Organization (OSRO) - Full style:	National Response Corporation 3500 Sunrise Hwy Ste 200, Building 200 Great River, New York 11739-1001 United States Tel: Main Tel: 1 (631) 22 Fax: Fax: 1 (631) 224 908			
5. CARGO AND BALLAST HANDLING					
Double Hull Vessels					
5.1	Is vessel fitted with centerline bulkhead in all cargo tanks? If Yes, solid or perforated:	Yes , Solid			
Loadline Information					
5.2	Loadline	Freeboard	Draft	Deadweight	Displacement
	Summer:	3.40 m	9.53 m	19991.39 MT	25496.45 MT
	Winter:	3.60 m	9.33 m	19394.08 MT	24899.14 MT
	Tropical:	3.21 m	9.73 m	20591.81 MT	26096.87 MT
	Lightship:	10.56 m	2.34 m	Not Applicable	5505.06 MT
	Normal Ballast Condition:	7.30 m	5.63 m	8684.82 MT	14189.88 MT

5.3	Does vessel have multiple SDWT? If yes, please provide all assigned loadlines:			No	
Cargo Tank Capacities					
5.4	Number of cargo tanks and total cubic capacity (98%):			20	20572.522 m3 (20,572.522 Cu.Meters)
5.5	Capacity (98%) of each natural segregation with double valve (specify tanks):			(No.1 : 1,263.730 m3 (P) 625.168 , (S) 638.562 No.2 : 2,433.392 m3 (P) 1,210.081 , (S) 1,223.311 No.3 : 3,099.650 m3 (P) 1,549.825 , (S) 1,549.825 No.4 : 2,800.025 m3 (P) 1,393.399 , (S) 1,406.626 No.5 : 1,479.825 m3 (P) 733.346 , (S) 746.479 No.6 : 2,634.742 m3 (P) 1,317.371 , (S) 1,317.371 No.7 : 2,801.760 m3 (P) 1,394.261 , (S) 1,407.499 No.8 : 2,625.634 m3 (P) 1,312.817 , (S) 1,312.817 No.9 : 1,433.764 m3 (P) 710.322 , (S) 723.442 No.10 : 1,234.972 m3 (P) 610.922 , (S) 624.050)	
5.6	Number of slop tanks and total cubic capacity (98%):			2	1234.97 m3
5.7	Specify segregations which slops tanks belong to and their capacity with double valve:			SLOP 10P 610.922 / SLOP10S 624.050	
5.8	Residual/Retention oil tank(s) capacity (98%), if applicable:			0 m3	
5.9	Does vessel have Segregated Ballast Tanks (SBT) or Clean Ballast Tanks (CBT):			SBT	
SBT Vessels					
5.10	What is total SBT capacity and percentage of SDWT vessel can maintain?			6900.02 m3	34.50 %
5.11	Does vessel meet the requirements of MARPOL Annex I Reg 18.2:			Yes	
Cargo Handling and Pumping Systems					
5.12	How many grades/products can vessel load/discharge with double valve segregation:			20	
5.13	Are there any cargo tank filling restrictions? If yes, specify number of slack tanks, max s.g., ullage restrictions etc.:			Yes Cargo tanks designed for SG=1.5. Max allowable SG=2.15 If SG heavier 1.5 - filling level must be calculated in accordance with Operation Manual. No restrictions due to sloshing force.	
5.14	Pumps:	No.	Type	Capacity	At What Head (sg=1.0)
	Cargo Pumps:	12 8	FRAMO DEEP WELL FRAMO DEEP WELL	300 M3/HR 200 M3/HR	115 Meters 115 Meters 115 Meters 115 Meters 115 Meters 115 Meters 115 Meters
	Cargo Eductors:			m3/hr	m
	Stripping:			m3/hr	m
	Ballast Pumps:	1	HORIZONTAL CENTRIFUGAL	400 m3/hr	m
	Ballast Eductors:			m3/hr	m
5.15	Max loading rate for homogenous cargo per manifold connection:			m3/hr (333m3/H for 125mm & 476m3 for 150mm Cu.M/H)	
5.16	Max loading rate for homogenous cargo loaded simultaneously through all manifolds:			1846.00 m3/hr	
5.17	How many cargo pumps can be run simultaneously at full capacity:			330Cu.Metres/Hour x 4sets	
Cargo Control Room					
5.18	Is ship fitted with a Cargo Control Room (CCR)?			Yes	
5.19	Can tank innage / ullage be read from the CCR?			Yes	
Gauging and Sampling					
5.20	Can cargo be transferred under closed loading conditions in accordance with ISGOTT 11.1.6.6?			Yes	
5.21	What type of fixed closed tank gauging system is fitted:			FLOATING TYPE	
5.22	Number of portable gauging units (example- MMC) on board:			3	
5.23	Are overfill (high) alarms fitted? If Yes, indicate whether to all tanks or partial:			Yes , All	

5.24	Are cargo tanks fitted with multipoint gauging? If yes, specify type and locations:			No ,		
5.25	Is gauging system certified and calibrated? If no, specify which ones are not calibrated:			Yes ,		
Vapor Emission Control System (VECS)						
5.26	Is a Vapour Emission Control System (VECS) fitted?			Yes		
5.27	Number/size of VECS manifolds (per side):			2	150 mm	
5.28	Number / size / type of VECS reducers:					
Venting						
5.29	State what type of venting system is fitted:			Independent Hi Velocity		
Cargo Manifolds and Reducers						
5.30	Does vessel comply with the latest edition of the OCIMF 'Recommendations for Oil Tanker Manifolds and Associated Equipment'?			No		
5.31	Total number / size of cargo manifold connections on each side:			20 / 150.00 mm		
5.32	What type of valves are fitted at manifold:			Butterfly		
5.33	What is the material/rating of the manifold:			STAINLESS STEEL /		
5.34	Does the vessel have a Common Line Manifold connection? If yes, describe:			Yes, 12" In		
5.35	Distance between cargo manifold centers:			400.00 mm		
5.36	Distance ships rail to manifold:			4350.00 mm		
5.37	Distance manifold to ships side:			4600.00 mm		
5.38	Top of rail to center of manifold:			850.00 mm		
5.39	Distance main deck to center of manifold:			2600.00 mm		
5.40	Spill tank grating to center of manifold:			925.00 mm		
5.41	Manifold height above the waterline in normal ballast / at SDWT condition:			9.89 m	6.00 m	
5.42	Number / size / type of reducers:			2 x 300/250mm (12/10") 2 x 300/200mm (12/8") 1 x 300/150mm (12/6") 1 x 250/150mm (10/6") 5 x 200/150mm (8/6") ANSI		
5.43	Is vessel fitted with a stern manifold? If yes, state size:			No , mm		
Heating						
5.44	Cargo / slop tanks fitted with a cargo heating system?	Type	Coiled	Material		
	Cargo tanks:	Steam Coils	Yes	SS		
	Slop tanks:	Steam	Yes	Stainless Steel		
5.45	Maximum temperature cargo can be loaded / maintained:		80.0 Â°C / 176.0 Â°F	80 Â°C / 176 Â°F		
5.46	Minimum temperature cargo can be loaded / maintained:		0.0 Â°C / 32.0 Â°F	0.0 Â°C / 32.0 Â°F		
Coating / Anodes						
5.47	Tank Coating	Coated	Type	To What Extent	Anodes	
	Cargo tanks:	Yes	Stainless Steel	Whole Tank	N/A	
	Ballast tanks:	Yes	EPOXY	Whole Tank	Yes	
	Slop tanks:	Yes	Stainless Steel	Whole Tank		
6. INERT GAS AND CRUDE OIL WASHING						
6.1	Is a Crude Oil Washing (COW) installation fitted / operational?			No /		
6.2	Is an Inert Gas System (IGS) fitted / operational?			Yes / Yes		
6.3	Is IGS supplied by flue gas, inert gas (IG) generator and/or nitrogen:			Nitrogen Generator		
7. MOORING						
7.1	Wires (on drums)	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:		mm		m	MT
	Main deck fwd:		mm		m	MT
	Main deck aft:		mm		m	MT

	Poop deck:		mm		m	MT
7.2	Wire tails	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:		mm		m	MT
	Main deck fwd:		mm		m	MT
	Main deck aft:		mm		m	MT
	Poop deck:		mm		m	MT
7.3	Ropes (on drums)	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	4	52.00 mm	POLYESTER/PTOPYLENE	220.00 m	44.00 MT
	Main deck fwd:		mm		m	MT
	Main deck aft:		mm		m	MT
	Poop deck:	4	53.00 mm	POLYESTER/PTOPYLENE	220.00 m	44.00 MT
7.4	Other lines	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	3	53.00 mm	POLYESTER/PTOPYLENE	220.00 m	44.00 MT
	Main deck fwd:		mm		m	MT
	Main deck aft:		mm		m	MT
	Poop deck:	3	53.00 mm	POLYESTER/PTOPYLENE	220.00 m	44.00 MT
7.5	Winches	No.	No. Drums	Motive Power	Brake Capacity	Type of Brake
	Forecastle:	2	Double Drums	HYDRAULIC OIL	29.10 MT	
	Main deck fwd:				MT	
	Main deck aft:				MT	
	Poop deck:	2	Double Drums	HYDRAULIC OIL	29.10 MT	
7.6	Bits, closed chocks/fairleads		No. Bits	SWL Bits	No. Closed Chocks	SWL Closed Chocks
	Forecastle:		6	36 MT		MT (3 Panama chock: swl 1x 110mt , 2 x 65 mt)
	Main deck fwd:		4	36 MT		MT
	Main deck aft:		2	36 MT	4	17 MT
	Poop deck:		8	36 MT		MT (5 panama chocks: 3 x 64mt , 2 x 45mt)
Anchors/Emergency Towing System						
7.7	Number of shackles on port / starboard cable:				10 / 10	
7.8	Type / SWL of Emergency Towing system forward:				Not Applicable	MT
7.9	Type / SWL of Emergency Towing system aft:					MT
Escort Tug						
7.10	What is size / SWL of closed chock and/or fairleads of enclosed type on stern:				360mm x 260mm	64.00 MT
7.11	What is SWL of bollard on poop deck suitable for escort tug:					72.00 MT
Bow/Stern Thruster						
7.12	What is brake horse power of bow thruster (if fitted):				Yes , 871.50 bhp	
7.13	What is brake horse power of bow thruster (if fitted):				N/A , bhp	
Single Point Mooring (SPM) Equipment						
7.14	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)'?				No	
7.15	If fitted, how many chain stoppers:					
7.16	State type / SWL of chain stopper(s):					MT
7.17	What is the maximum size chain diameter the bow stopper(s) can handle:				mm	
7.18	Distance between the bow fairlead and chain stopper/bracket:				mm	
7.19	Is bow chock and/or fairlead of enclosed type of OCIMF recommended size (600mm x 450mm)? If not, give details of size:				N/A	

Lifting Equipment			
7.20	Derrick / Crane description (Number, SWL and location):	Cranes: 1 x 5.00 Tonnes Midship	
7.21	What is maximum outreach of cranes / derricks outboard of the ship's side:	5.90 m	
Ship To Ship Transfer (STS) / Helicopter Operations			
7.22	Does vessel comply with recommendations contained in OCIMF/ICS Ship To Ship Transfer Guide (Petroleum, Chemicals or Liquefied Gas, as applicable)?	Yes	
7.23	Can the ship comply with the ICS Helicopter Guidelines? If Yes, state whether winching or landing area provided and diameter of the circle provided:	N/A , m	
8. MISCELLANEOUS			
Engine			
8.1	Speed	Maximum	Economic
	Ballast speed:	16 Kts (WSNP)	14 Kts (WSNP)
	Laden speed:	14.5 Kts (WSNP)	13 Kts (WSNP)
8.2	What type of fuel is used for main propulsion?	IFO 380	FO/DO
8.3	Type / Capacity of bunker tanks:	Fuel Oil: 553.73 m3 Diesel Oil: 438.27 m3 Gas Oil: 0 m3	
8.4	Is vessel fitted with fixed or controllable pitch propeller(s):	Fixed	
8.5	Engines	No	Capacity
	Main engine:	1	6150 Kw
	Aux engine:	3	550 Kw
	Power packs:	3	230 m3
	Boilers:	1	15.00 MT/Hr
			HITACHI ZOSEN,B&W 6S42MC6
			3 YANMAR-6EY18AL
			REXROTH, D-72160
			TORTOISE ENGINEERING, MVW 150
Emissions			
8.6	Main engine IMO NOx emission standard:	Tier I	
8.7	Energy Efficiency Design Index (EEDI) rating number:	Not Applicable	
Insurance			
8.8	P & I Club - Full Style:	NORTH OF ENGLAND The Quayside Newcastle Upon Tyne NE1 3DU UK. Tel: +441912325221 Fax: +441912610540 Telex: 53634 / 537316 Email: general@nepia.com	
8.9	P & I Club pollution liability coverage / expiration date:	100000000 US\$	Feb 20, 2017
8.10	Hull & Machinery insured by - Full Style:	Northern Lloyd GmbH Herrlichkeit 4, 28199 Bremen Germany Tel: +49 421 59 60 65-0 Fax: +49 421 59 60 65-29	
8.11	Hull & Machinery insured value / expiration date:	28000000 US\$	Sep 30, 2016
Recent Operational History			
8.12	Date and place of last Port State Control inspection:	Mar 03, 2016 / DAESAN	
8.13	Any outstanding deficiencies as reported by any Port State Control? If yes, provide details:	No	
8.14	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 ,	
8.15	Last three cargoes / charterers / voyages (Last / 2nd Last / 3rd Last):		
8.16	Date/place of last STS operation:		
Vetting			
8.17	Date of last SIRE inspection:	Mar 30, 2016	
8.18	Date of last CDI inspection:	Jul 10, 2015	

8.19	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>	Contact owner for details.
Additional Information		
8.20	Additional information relating to features of the ship or operational characteristics:	
Version 4 (INTERTANKO / Q88.com)		