INTERTANKO TANKER CHARTERING QUESTIONNAIRE 88 **Version 4**

1.	**VESSEL DESCRIPTION**			
1.1	Date updated:		Oct 27, 2016	
1.2	Vessel's name (IMO number):		Nordic Star (9748679)	
1.3	Vessel's previous name(s) and date(s) of change:		Not Applicable	
1.4	Date delivered / Builder (where built):		Sep 08, 2016 / Sungdong Shipyard and Marine Engineering (South Korea)	
1.5	Flag / Port of Registry:		Cayman Islands / George Town	
1.6	Call sign / MMSI:		ZGFO8 / 319095100	
1.7	Vessel's contact details (satcom/fax/email etc.):		Tel: +870 773503044 Fax: +870 783500068 Email: nordic-star@super-hub.com	
1.8	Type of vessel (as described in Form A or Form B Q1.11 of the IOPPC):		Oil Tanker	
1.9	Type of hull:		Double Hull	
Classification				
1.10	Classification society:		DNV GL	
1.11	Class notation:		+1A1, Tanker for Oil, BIS BWM (T,E(s)) COAT-PSPC(B; C) CSR E0 ESP SPM TMON VCS(2)	
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:		N/A	
1.15	Does the vessel have ice class? If yes, state what level:		N/A,	
1.16	Date / place of last dry-dock:		Sep 08, 2016 / Sungdong Shipyard and Marine Eng. / new building	
1.17	Date next dry dock due / next annual survey due:		Sep 08, 2021	Sep 08, 2017
1.18	Date of last special survey / next special survey due:		Sep 08, 2016	Sep 08, 2021
1.19	If ship has Condition Assessment Program (CAP), what is the latest overall rating:		,	
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				
1.21	Length overall (LOA):			277.05 Metres
1.22	Length between perpendiculars (LBP):			267.00 Metres
1.23	Extreme breadth (Beam):			48.00 Metres
1.24	Moulded depth:			23.10 Metres
1.25	Keel to masthead (KTM)/ Keel to masthead (KTM) in collapsed condition, if applicable:		54.38 Metres	
1.26	Bow to center manifold (BCM) / Stern to center manifold (SCM):		141.20 Metres	135.80 Metres
1.27	Distance bridge front to center of manifold:			89.67 Metres
1.28	Parallel body distances	Lightship	Normal Ballast	Summer Dwt
	Forward to mid-point manifold:	68.33 Metres	69.20 Metres	69.20 Metres
	Aft to mid-point manifold:	32.40 Metres	47.80 Metres	67.43 Metres
	Parallel body length:	100.72 Metres	117.00 Metres	136.63 Metres
1.29	FWA/TPC at summer draft:		384.00 Millimetres	119.40 Metric Tonnes
1.30	Constant (excluding fresh water):			207 Metric Tonnes
1.31	What is the company guidelines for Under Keel Clearance (UKC) for this vessel?		10% of the deepest draft when alongside a berth, including SBM's 15% of the deepest draft when navigating in shallow waters including 'open shallow' and' narrow channel'; 25% of the deepest draft when navigating in open water	
1.32	What is the max height of mast above waterline (air draft)		Full Mast	Collapsed Mast
	Lightship:		51.58 Metres	0 Metres
	Normal ballast:		44.70 Metres	0 Metres
	At loaded summer deadweight:		37.21 Metres	0 Metres
Tonnages				

1.33	Net Tonnage:		51,135.00
1.34	Gross Tonnage / Reduced Gross Tonnage (if applicable):	81,718.00	
1.35	Suez Canal Tonnage - Gross (SCGT) / Net (SCNT):	55,869.18	48,388.28
1.36	Panama Canal Net Tonnage (PCNT):		

Ownership and Operation

1.37	Registered owner - Full style:	NORDIC AMERICAN TANKERS LIMITED LOM BUILDING, 27 REID STR., HAMILTON HM 11 BERMUDA c/o Scandic American Shipping Ltd P.O. Box 56 3201 Sandefjord, Norway Web: www.nat.bm Company IMO#: 4037590 Bermuda Tel: +47 33 42 73 00 Email: sas@scandicamerican.com Company IMO#: 1898811
1.38	Technical operator - Full style:	Columbia Shipmanagement (Deutschland) GmbH Grosse Elbstrasse 275, 22767 Hamburg, P.O. Box 261213, D-20502 Hamburg, Germany Telex: Not Applicable Web: www.csm-d.com Company IMO#: 1898811 Germany Tel: +49 40 3613040 Fax: +49 40 361304 550 Email: vetting@csm-d.com Company IMO#: 1898811
1.39	Commercial operator - Full style:	V.Ships UK Limited On behalf of NAT Chartering Ltd. c/o V.Ships UK Ltd - Skypark, 8 Elliot Place, Glasgow, G3 8EP, UK United Kingdom Tel: +44 141 243 2435 Email: natops@vships.com Web: www.vships.com
1.40	Disponent owner - Full style:	NAT Chartering LTD AS AGENTS ONLY TO NORDIC AMERICAN TANKERS LIMITED C/O NAT Chartering AS FRIDTJOF NANSENS PLASS 7, N-0160 OSLO, NORWAY Tel: +47 2369 6900 Email: chartering@natchartering.com

2.	CERTIFICATION	Issued	Last Annual	Expires
2.1	Safety Equipment Certificate (SEC):	Sep 08, 2016	Not Applicable	Feb 08, 2017
2.2	Safety Radio Certificate (SRC):	Sep 08, 2016	Not Applicable	Feb 08, 2017
2.3	Safety Construction Certificate (SCC):	Sep 08, 2016	Not Applicable	Feb 08, 2017
2.4	International Loadline Certificate (ILC):	Sep 08, 2016	Not Applicable	Feb 08, 2017
2.5	International Oil Pollution Prevention Certificate (IOPPC):	Sep 08, 2016	Not Applicable	Feb 08, 2017
2.6	ISM Safety Management Certificate (SMC):	Sep 08, 2016	Not Applicable	Mar 08, 2017
2.7	Document of Compliance (DOC):	May 10, 2016		Nov 28, 2016
2.8	USCG Certificate of Compliance (COC):		Not Applicable	
2.9	Civil Liability Convention (CLC) 1992 Certificate:	Sep 08, 2016	Not Applicable	Feb 20, 2017
2.10	Civil Liability for Bunker Oil Pollution Damage Convention (CLBC) Certificate:	Sep 08, 2016	Not Applicable	Feb 20, 2017
2.11	Ship Sanitation Control (SSCC)/Ship Sanitation Control Exemption (SSCE) Certificate:	Sep 06, 2016	Not Applicable	Mar 06, 2017
2.12	U.S. Certificate of Financial Responsibility (COFR):	Sep 08, 2017	Not Applicable	Sep 08, 2019
2.13	Certificate of Class (COC):	Sep 08, 2016	Sep 08, 2016	Dec 08, 2017

2.14	International Sewage Pollution Prevention Certificate (ISPPC):	Sep 08, 2016	Not Applicable	Feb 08, 2017
2.15	Certificate of Fitness (COF):	Not Applicable		
2.16	International Energy Efficiency Certificate (IEEC):	Sep 08, 2016	Not Applicable	Not Applicable
2.17	International Ship Security Certificate (ISSC):	Sep 08, 2016	Not Applicable	Mar 08, 2017
2.18	International Air Pollution Prevention Certificate (IAPPC):	Sep 08, 2016	Not Applicable	Feb 08, 2017
2.19	Maritime Labour Certificate (MLC):	Sep 08, 2016	Not Applicable	Mar 08, 2017
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:			

3.	**CREW**	
3.1	Nationality of Master:	Russian
3.2	Number and Nationality of Officers:	9 Russia, Georgia, Ukraine
3.3	Number and Nationality of Crew:	12 Russia, Latvia, Ukraine
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:	Officers: Columbia Shipmanagement (Deutschland) GMBH Grosse Elbstrasse 275, 22767 Hamburg, P.O. Box 261213, D-20502 Hamburg, Germany. Tel: +49 40 - 361304 - 0 Telex: +49 40 - 361304 - 55 Email: csm@csm-d.com Web: www.columbia-shipmanagement.com Crew: Web: same

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 103 Morgan Lane, Suite 103 Plainsboro, NJ 08536, USA Tel: +1-985-781-0804 Email: commandcenter@wittobriens.com
4.3	Oil Spill Response Organization (OSRO) - Full style:	National Response Corporation 3500 Sunrise Highway Great River, New York 11739, USA Tel: +1-631-224-9141 +1-8 Fax: +1-631-224-9086 Email: iocdo@nrcc.com

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:	5.97 Metres	17.17 Metres	157,737.80 Metric Tonnes	183,260.90 Metric Tonnes
	Winter:	6.33 Metres	16.82 Metres	153,480.50 Metric Tonnes	179,003.60 Metric Tonnes
	Tropical:	5.62 Metres	17.53 Metres	162,003.20 Metric Tonnes	187,526.30 Metric Tonnes
	Lightship:	20.33 Metres	2.82 Metres	Not Applicable	25,523.10 Metric Tonnes
	Normal Ballast Condition:	15.14 Metres	8.00 Metres	53,416.20 Metric Tonnes	79,016.20 Metric Tonnes
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%):			12	162,576 Cu. Metres
5.5	Capacity (98%) of each natural segregation with double valve (specify tanks):			No.1: 54769.8 m3 COTs 1, 4 and Slops No.2: 58745.4 m3 COTs 2 and 5 No.3: 53043.0 m3 COTs 3 and 6	
5.6	Number of slop tanks and total cubic capacity (98%):			2	3,982.10 Cu. Metres
5.7	Specify segregations which slops tanks belong to and their capacity with double valve:			No.1	
5.8	Residual/Retention oil tank(s) capacity (98%), if applicable:				422.50 Cu. Metres
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?			54,342.80 Cu. Metres	35.30 %
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:				3
5.13	Are there any cargo tank filling restrictions? If yes, specify number of slack tanks, max s.g., ullage restrictions etc.:			No max 5,200 m3/h per manifold	
5.14	Pumps	No.	Type	Capacity	At What Head (sg=1.0)
	Cargo Pumps:	3	Centrifugal	4000 M3/HR	135 Meters
	Cargo Eductors:	1	Other	600 Cu. Metres/Hour	
	Stripping:	1	Positive Displacment	200 Cu. Metres/Hour	
	Ballast Pumps:	2	centrifugical	2,000 Cu. Metres/Hour	37 Metres
	Ballast Eductors:	1	water driving	500 Cu. Metres/Hour	
5.15	Max loading rate for homogenous cargo per manifold connection:				5,200 Cu. Metres/Hour
5.16	Max loading rate for homogenous cargo loaded simultaneously through all manifolds:				15,600.00 Cu. Metres/Hour
5.17	How many cargo pumps can be run simultaneously at full capacity:				3
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:			tank radars	
5.22	Number of portable gauging units (example- MMC) on board:				2
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:			Yes, Tanktech vapour locks	
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):			0	500 Millimetres
5.28	Number / size / type of VECS reducers:			500A(20) x 250A(10) x 1 500A(20) x 300A(12) x 2 500A(20) x 400A(16) x 4	

Venting		
5.29	State what type of venting system is fitted:	common mast riser and individual High Velocity P/V Relief Valve with Gas free cover
Cargo Manifolds and Reducers		
5.30	Does vessel comply with the latest edition of the OCIMF 'Recommendations for Oil Tanker Manifolds and Associated Equipment'?	Yes
5.31	Total number / size of cargo manifold connections on each side:	3 / 600 Millimetres
5.32	What type of valves are fitted at manifold:	butterfly valves / manual operated
5.33	What is the material/rating of the manifold:	SS400 / 150 ANSI
5.34	Does the vessel have a Common Line Manifold connection? If yes, describe:	16''
5.35	Distance between cargo manifold centers:	2,500.00 Millimetres
5.36	Distance ships rail to manifold:	4,600.00 Millimetres
5.37	Distance manifold to ships side:	4,600.00 Millimetres
5.38	Top of rail to center of manifold:	840.00 Millimetres
5.39	Distance main deck to center of manifold:	2,100.00 Millimetres
5.40	Spill tank grating to center of manifold:	1,100.00 Millimetres
5.41	Manifold height above the waterline in normal ballast / at SDWT condition:	18.20 Metres / 8.00 Metres
5.42	Number / size / type of reducers:	3 x 600/200mm (24/8'') 3 x 600/250mm (24/10'') 3 x 600/300mm (24/12'') 6 x 600/400mm (24/16'') 2 x 600/500mm (24/20'') ANSI
5.43	Is vessel fitted with a stern manifold? If yes, state size:	N/A,

Heating				
5.44	Cargo / slop tanks fitted with a cargo heating system?	Type	Coiled	Material
	Cargo Tanks:	heating coils	Yes	Mildsteel
	Slop Tanks:	heating coils	Yes	STPG370 SMLS #80
5.45	Maximum temperature cargo can be loaded / maintained:		66.0 °C / 150.8 °F	66 °C / 150.8 °F
5.46	Minimum temperature cargo can be loaded / maintained:			

Coating / Anodes					
5.47	Tank Coating	Coated	Type	To What Extent	Anodes
	Cargo tanks:	Yes	Pure epoxy	TANK CEILING AND 1.8 M BELOW + TANK BOTTOM AND 0.5 M UP / Slop tanks - fully coated	No
	Ballast tanks:	Yes	Pure epoxy	whole tanks	Yes
	Slop tanks:	Yes	pure epoxy	Whole Tank	N/A

6.	**INERT GAS AND CRUDE OIL WASHING**	
6.1	Is a Crude Oil Washing (COW) installation fitted / operational?	Yes / Yes
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:	Flue Gas

7.	**MOORING**					
7.1	Wires (on drums)	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	4	34.00 Millimetres	galvanized steel wire	250.00 Metres	71.00 Metric Tonnes
	Main deck fwd:	4	34.00 Millimetres	galvanized steel wire	250.00 Metres	71.00 Metric Tonnes
	Main deck aft:	2	34.00 Millimetres	galvanized steel wire	250.00 Metres	71.00 Metric Tonnes
	Poop deck:	6	34.00 Millimetres	galvanized steel wire	250.00 Metres	71.00 Metric Tonnes
7.2	Wire tails	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	4	75.00 Millimetres	nylon	11.00 Metres	101.00 Metric Tonnes

	Main deck fwd:	4	75.00 Millimetres	nylon	11.00 Metres	101.00 Metric Tonnes
	Main deck aft:	2	75.00 Millimetres	nylon	11.00 Metres	101.00 Metric Tonnes
	Poop deck:	6	75.00 Millimetres	nylon	11.00 Metres	101.00 Metric Tonnes
7.3	Ropes (on drums)	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	0				
	Main deck fwd:	0				
	Main deck aft:	0				
	Poop deck:	0				
7.4	Other lines	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	2	72 Millimetres	Megaflex, PP 60% Polyester 40%	220 Metres	95 Metric Tonnes
	Main deck fwd:					
	Main deck aft:					
	Poop deck:	2	75 Millimetres	Megaflex, PP 60% Polyester 40%	220 Metres	95 Metric Tonnes
7.5	Winches	No.	No. Drums	Motive Power	Brake Capacity	Type of Brake
	Forecastle:	2	dbl	Hydraulic	42.00 Metric Tonnes	belt stopper
	Main deck fwd:	2	dbl	Hydraulic	42.00 Metric Tonnes	belt stopper
	Main deck aft:	2	dbl	Hydraulic	42.00 Metric Tonnes	belt stopper
	Poop deck:	2	dbl	Hydraulic	42.00 Metric Tonnes	belt stopper
7.6	Bitts, closed chocks/fairleads		No. Bitts	SWL Bitts	No. Closed Chocks	SWL Closed Chocks
	Forecastle:		2	74 Metric Tonnes	8	74 Metric Tonnes
	Main deck fwd:		6	74 Metric Tonnes	12	74 Metric Tonnes
	Main deck aft:		4	74 Metric Tonnes	6	74 Metric Tonnes
	Poop deck:		4	74 Metric Tonnes	12	74 Metric Tonnes
Anchors/Emergency Towing System						
7.7	Number of shackles on port / starboard cable:				13 / 14	
7.8	Type / SWL of Emergency Towing system forward:				ETS/SPM-7000F-SJ	204 Metric Tonnes
7.9	Type / SWL of Emergency Towing system aft:				KBETS-4000AS-SJ	204 Metric Tonnes
Escort Tug						
7.10	What is size / SWL of closed chock and/or fairleads of enclosed type on stern:				500x960x975mm 500x600x450	200.00 Metric Tonnes
7.11	What is SWL of bollard on poop deck suitable for escort tug:					200.00 Metric Tonnes
Bow/Stern Thruster						
7.12	What is brake horse power of bow thruster (if fitted):				N/A,	
7.13	What is brake horse power of stern thruster (if fitted):				N/A,	
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)'?				Yes	
7.15	If fitted, how many chain stoppers:				2	
7.16	State type / SWL of chain stopper(s):				tongue type	350.00 Metric Tonnes
7.17	What is the maximum size chain diameter the bow stopper(s) can handle:					76.00 Millimetres
7.18	Distance between the bow fairlead and chain stopper/bracket:					2,800 Millimetres
7.19	Is bow chock and/or fairlead of enclosed type of OCIMF recommended size (600mm x 450mm)? If not, give details of size:				Yes n/a	
Lifting Equipment						
7.20	Derrick / Crane description (Number, SWL and location):				Cranes: 2 x 15.00 Tonnes Midship - port and starboard sides	
7.21	What is maximum outreach of cranes / derricks outboard of the ship's side:					6.85 Metres
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 Liquified 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:				Yes, Winching 13.00 Metres	

8.	**MISCELLANEOUS**			
Engine				
8.1	Speed		Maximum	Economic
	Ballast speed:		15.50 Knots (WSNP)	10 Knots (WSNP)
	Laden speed:		14.50 Knots (WSNP)	12 Knots (WSNP)
8.2	What type of fuel is used for main propulsion / generating plant:		HFO 380 cst	HFO 380 cst
8.3	Type / Capacity of bunker tanks:		Fuel Oil: 3,955.30 Cu. Metres Diesel Oil: 235.10 Cu. Metres Gas Oil: 629 Cu. Metres	
8.4	Is vessel fitted with fixed or controllable pitch propeller(s):		Fixed	
8.5	Engines	No	Capacity	Make/Type
	Main engine:	1	21,840 Kilowatt	MAN B&W 6G70ME-C9.5 Tier II with EGB Part load tun
	Aux engine:	3	960 Kilowatt	Hyndai / H21/32
	Power packs:			
	Boilers:	2	35.00 Metric Tonnes/Hour	KANGRIM HEAVY INDUSTRIES CO., LTD. / PB0601AS18
Emissions				
8.6	Main engine IMO NOx emission standard:		Tier II	
8.7	Energy Efficiency Design Index (EEDI) rating number:		2.713	
Insurance				
8.8	P & I Club - Full Style:	GARD GARD Gard AS As agent only for Gard P.&I. (Bermuda) Ltd., Norwegian Branch Kittelbuktveien 31, No-4836, Arendal, Norway Tel: Tel. +47 37 01 91 00 Fax: Fax: +47 37 02 48 10 Web: Web: www.gard.no		
8.9	P & I Club pollution liability coverage / expiration date:		1,000,000,000 US$	Feb 20, 2017
8.10	Hull & Machinery insured by - Full Style:	Willis AS P.O. Box 334 Skyen Tel: Tel: (+47) 23 29 60 Fax: Fax: (+47) 24 12 63		
8.11	Hull & Machinery insured value / expiration date:		72,000,000 US$	Feb 20, 2017
Recent Operational History				
8.12	Date and place of last Port State Control inspection:		/	
8.13	Any outstanding deficiencies as reported by any Port State Control? If yes, provide details:		N/A	
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):		Gasoil / BP / Ulsan - Suez STS Area (New Build vessel/ maiden voyage after delivery)	
8.16	Date/place of last STS operation:		23-Oct-2016 / Off Suez STS Area "A"	
Vetting				
8.17	Date of last SIRE inspection:		Oct 22, 2016	
8.18	Date of last CDI inspection:			
8.19	Recent Oil company inspections/screenings (To the best of owners knowledge and		ENOC, ERG	

	without guarantee of acceptance for future business)*: ** "Approvals" are not given by Oil Majors and ships are accepted for the voyage on a case by case basis.*	
Additional Information		
8.20	Additional information relating to features of the ship or operational characteristics:	

Form completed on http://www.q88.com/integration.aspx Please email support@q88.com an updated copy if this is not the latest version.

"To the best of owners knowledge all information is true and given without any guarantee."