INTERTANKO CHARTERING QUESTIONNAIRE 88 - CHEMICAL **Version 5**

1.	**GENERAL INFORMATION**		
1.1	Date updated:	Sep 23, 2021	
1.2	Vessel's name (IMO number):	Orakai (9402689)	
1.3	Vessel's previous name(s) and date(s) of change:	Orarose (Apr 24, 2014) Zodiacal (Feb 05, 2009)	
1.4	Date delivered/Builder (where built):	Dec 20, 2008/XI XIA KOU Shipyard, Rongchem - PR China	
1.5	Flag/Port of Registry:	Portugal/Madeira	
1.6	Call sign/MMSI:	CQAN7/255806225	
1.7	Vessel's contact details (satcom/fax/email etc.):	Tel: +31 10 713 0508 Fax: - Email: master.tankerorakai@gmail.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	
Ownership and Operation			
1.10	Registered owner - Full style:	Kai Shipping C.V. Aventurijn 218 3316 LB Dordrecht The Netherlands Netherlands Tel: +31 786521700 Fax: 0 Telex: 0 Email: operations@se-tm.com	
1.11	Technical operator - Full style:	South End Tanker Management B.V. Aventurijn 218 3316 LB Dordrecht The Netherlands Netherlands Tel: +31786521700 Fax: 0 Telex: 0 Email: operations@se-tm.com Web: www.se-tm.com Company IMO#: 1740677	
1.12	Commercial operator - Full style:	Rederiet M.H. Simonsen Aps Christiansmindevej 76 DK-5700 Svendborg Denmark Tel: +45 6220 2033 Fax: +45 6220 1033 Telex: 0 Email: sc@simchart.com	
1.13	Disponent owner - Full style:	Rederiet M.H. Simonsen Aps Christiansmindevej 76 DK-5700 Svendborg Denmark Tel: +45 6220 2033 Fax: 0 Telex: 0 Email: sc@simchart.com	
Insurance			
1.14	P & I Club - Full Style:	SKULD 27 Radhusgaten Vika, Oslo N-0114 PO BOX 1376 Norway	
1.15	P & I Club pollution liability coverage/expiration date:	1,000,000,000 US$	Feb 20, 2022
1.16	Hull & Machinery insured by - Full Style: (Specify broker or leading underwriter)	MARSH	
1.17	Hull & Machinery insured value/expiration date:	9,000,000 US$ (Euro)	Nov 17, 2021
Classification			
1.18	Classification society:	Bureau Veritas	
1.19	Class notation:	I, HULL, MACH, AUT-UMS OIL TANKER ESP, CHEMICAL TANKER ESP	

				UNRESTRICTED NAVIGATION, AVM-APS, MON-SHAFT, INWATERSURVEY	
1.20	Is the vessel subject to any conditions of class, class extensions, outstanding memorandums or class recommendations? If yes, give details:			No n/a	
1.21	If classification society changed, name of previous and date of change:			, Not Applicable	
1.22	Does the vessel have ice class? If yes, state what level:			No,	
1.23	Date/place of last dry-dock:			Aug 26, 2019/Gdynia	
1.24	Date next dry dock due/next annual survey due:			Aug 26, 2022	Oct 04, 2022
1.25	Date of last special survey/next special survey due:			Aug 26, 2019	Jul 04, 2024
1.26	If ship has Condition Assessment Program (CAP), what is the latest overall rating:			No,	
Dimensions					
1.27	Length overall (LOA):				103.00 Metres
1.28	Length between perpendiculars (LBP):				96.50 Metres
1.29	Extreme breadth (Beam):				16.00 Metres
1.30	Moulded depth:				8.70 Metres
1.31	Keel to masthead (KTM)/ Keel to masthead (KTM) in collapsed condition, if applicable:			28.53 Metres	0 Metres
1.32	Distance bridge front to center of manifold:				36.00 Metres
1.33	Bow to center manifold (BCM)/Stern to center manifold (SCM):			54.52 Metres	48.48 Metres
1.34	Parallel body distances		Lightship	Normal Ballast	Summer Dwt
	Forward to mid-point manifold:		35.00 Metres	37.00 Metres	42.00 Metres
	Aft to mid-point manifold:		30.00 Metres	35.00 Metres	39.00 Metres
	Parallel body length:		75 Metres	72 Metres	81 Metres
Tonnages					
1.35	Net Tonnage:				1,940.00
1.36	Gross Tonnage/Reduced Gross Tonnage (if applicable):			3,953.00	3,301
1.37	Suez Canal Tonnage - Gross (SCGT)/Net (SCNT):			4,269.45	3,487.24
1.38	Panama Canal Net Tonnage (PCNT):				0.00
Loadline Information					
1.39	Loadline	Freeboard	Draft	Deadweight	Displacement
	Summer:	1.70 Metres	7.01 Metres	6,886 Metric Tonnes	9,120.00 Metric Tonnes
	Winter:	1.85 Metres	6.85 Metres	6,663 Metric Tonnes	8,897.00 Metric Tonnes
	Tropical:	1.55 Metres	7.15 Metres	7,060.00 Metric Tonnes	9,343 Metric Tonnes
	Lightship:	6.70 Metres	2.00 Metres	-	2,244.00 Metric Tonnes
	Normal Ballast Condition:	4.73 Metres	4.00 Metres	2,814.00 Metric Tonnes	4,864.00 Metric Tonnes
	Segregated Ballast Condition:	4.73 Metres	4.00 Metres	2,814.00 Metric Tonnes	4,864.00 Metric Tonnes
1.40	FWA/TPC at summer draft:			146.00 Millimetres	14.88 Metric Tonnes
1.41	Does vessel have multiple SDWT? If yes, please provide all assigned loadlines:			No	
1.42	Constant (excluding fresh water):				
1.43	What is the company guidelines for Under Keel Clearance (UKC) for this vessel?			10% ; 20% ; and 0.3 minimum alongside	
1.44	What is the max height of mast above waterline (air draft)			Full Mast	Collapsed Mast
	Summer deadweight:			21.52 Metres	0 Metres
	Normal ballast:			24.53 Metres	0 Metres
	Lightship:			26.53 Metres	0 Metres

2.	CERTIFICATES	Issued	Last Annual	Last Intermediate	Expires
2.1	Safety Equipment Certificate (SEC):	Sep 17, 2021	Sep 17, 2021		Jul 04, 2024
2.2	Safety Radio Certificate (SRC):	Sep 17, 2021	Sep 17, 2021		Jul 04, 2024
2.3	Safety Construction Certificate (SCC):	Sep 17, 2021	Sep 17, 2021		Jul 04, 2024
2.4	International Loadline Certificate (ILC):	Sep 17, 2021	Sep 17, 2021		Jul 04, 2024
2.5	International Oil Pollution Prevention Certificate (IOPPC):	Sep 17, 2021	Sep 17, 2021		Jul 04, 2024

2.6	International Ship Security Certificate (ISSC):	Sep 17, 2021	Not Applicable	Not Applicable	Mar 16, 2022
2.7	Maritime Labour Certificate (MLC):	Sep 17, 2021	N/A	Not Applicable	Mar 16, 2022
2.8	ISM Safety Management Certificate (SMC):	Sep 17, 2021	Not Applicable	Not Applicable	Mar 16, 2022
2.9	Document of Compliance (DOC):	Apr 13, 2021			Nov 29, 2022
2.10	USCG Certificate of Compliance (USCGCOC):	Not Applicable	Not Applicable	Not Applicable	Not Applicable
2.11	Civil Liability Convention (CLC) 1992 Certificate:	Sep 17, 2021	N/A	N/A	Feb 20, 2022
2.12	Civil Liability for Bunker Oil Pollution Damage Convention (CLBC) Certificate:	Sep 17, 2021	N/A	N/A	Feb 20, 2022
2.13	Liability for the Removal of Wrecks Certificate (WRC):	Sep 17, 2021	N/A	N/A	Feb 20, 2022
2.14	U.S. Certificate of Financial Responsibility (COFR):	Not Applicable	N/A	N/A	Not Applicable
2.15	Certificate of Class (COC):	Sep 17, 2021	Sep 17, 2021	Not Applicable	Jul 04, 2024
2.16	International Sewage Pollution Prevention Certificate (ISPPC):	Sep 17, 2021	N/A	N/A	Jul 04, 2024
2.17	Certificate of Fitness (COF):	Sep 17, 2021	Jul 15, 2020	Sep 17, 2021	Jul 04, 2024
2.18	International Energy Efficiency Certificate (IEEC):	Sep 17, 2021	N/A	N/A	N/A
2.19	International Air Pollution Prevention Certificate (IAPPC):	Sep 17, 2021	Jul 15, 2020	Sep 17, 2021	Jul 04, 2024
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 (if applicable):			May 15, 2022	

3.	**CREW**		
3.1	Nationality of Master:		Polish
3.2	Number and nationality of Officers:	6	Ukrainian, Polish
3.3	Number and nationality of Crew:	6	Ukrainian, Philippine
3.4	What is the common working language onboard:		English
3.5	Do officers speak and understand English?		Yes
3.6	If Officers/ratings employed by a manning agency - Full style:	Officers: Marlow Navigation Co. Ltd. 13 Alexandrias Street 3013 Limassol CYPRUS Tel: 357 25 882588 Fax: 357 25 882598 Email: a9@marlow.com.cy	Ratings: SAME AS ABOVE SAME AS ABOVE Tel: SAME AS ABOVE Fax: SAME AS ABOVE Telex: 0 Email: SAME AS ABOVE

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?	No
4.2	Qualified individual (QI) - Full style:	Not Applicable n/a Tel: n/a Fax: n/a Telex: n/a Email: n/a Web: n/a
4.3	Oil Spill Response Organization (OSRO) - Full style:	Not Applicable n/a Tel: n/a Fax: n/a Telex: n/a Email: n/a
4.4	Salvage and Marine Firefighting Services (SMFF) - Full Style:	

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):	Yes IMO Resolution A.741 (18)

5.2	Can the ship comply with the ICS Helicopter Guidelines?	No
5.2.1	If Yes, state whether winching or landing area provided:	
5.2.2	If Yes, what is the diameter of the circle provided:	

6.	**COATING/ANODES**				
6.1	Tank Coating	Coated	Type	To What Extent	Anodes
	Cargo tanks:	Yes	Marine Line 784	Whole Tank	No
	Ballast tanks:	Yes	Epoxy Kansai Super EX 21	Whole Tank	Yes
	Slop tanks:	Yes	Marineline Coating	Whole Tank	

7.	**BALLAST**				
7.1	Pumps	No.	Type	Capacity	At What Head (sg=1.0)
	Ballast Pumps:	2	Centrifugal	200 Cu. Metres/Hour	25 Metres
	Ballast Eductors:	1	CP 50-0,7	50 Cu. Metres/Hour	

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 (max% per company policy: 98%, 97%, 96% or 95%) excluding slops tanks:		6,653.35 Cu. Metres
8.2.1	Capacity (max% per company policy: 98%, 97%, 96% or 95%) of each natural segregation with double valve (specify tanks):	Seg#1: 3253.1 m3 (1 P/S - 3 P/s-5 P/s) Seg#2: 1174.3 m3 (6 P/S - DT SB /PS) Seg#3: 2341.5 m3 (2 P/S - 4 P/s)	
8.2.2	IMO class (Oil/Chemical Ship Type 1, 2 or 3):	2	
8.3	Number of slop tanks and total cubic capacity (max% per company policy: 98%, 97%, 96% or 95%):	2	113.30 Cu. Metres
Cargo Handling and Pumping Systems			
8.4	How many grades/products can vessel load/discharge with double valve segregation:		3
8.4.1	State type of cargo containment (integral, independent, gravity or pressure tanks):		
8.5	Are there any cargo tank filling restrictions? If yes, specify number of slack tanks, max s.g., ullage restrictions etc.:	No	
8.6	Max loading rate for homogenous cargo	With VECS	Without VECS
	Loaded per manifold connection:		600 Cu. Metres/Hour
	Loaded simultaneously through all manifolds:		600.00 Cu. Metres/Hour
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 gauging system as per IBC 13.1 is fitted (Open/Restricted/Closed)?	Closed	
	Is a tank overflow control system fitted? If yes, then state if system includes automatic closing of valves?	Yes,	
8.10	Number of portable gauging units (example- MMC) on board:		2
Vapor Emission Control System (VECS)			
8.11	Is a vapour return system (VRS) fitted?	Yes	
8.12	Number/size of VECS manifolds (per side):	2	219 Millimetres
8.13	Number/size/type of VECS reducers:		
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:	3/200 Millimetres	
8.15.1	Does the vessel have a Common Line Manifold connection? If yes, describe:	no	

8.16	What type of valves are fitted at manifold:			Butterfly	
8.17	What is the material/rating of the manifold:			SS A 316L/Ansi	
8.18	Distance between cargo manifold centers:			800.00 Millimetres	
8.19	Distance ships rail to manifold:			2,000.00 Millimetres	
8.20	Distance manifold to ships side:			3,000.00 Millimetres	
8.21	Top of rail to center of manifold:			2,550.00 Millimetres	
8.22	Distance main deck to center of manifold:			2,000.00 Millimetres	
8.23	Spill tank grating to center of manifold:			1,000.00 Millimetres	
8.24	Manifold height above the waterline in normal ballast/at SDWT condition:			6.40 Metres	3.70 Metres
8.25	Number/size/type of reducers:			6 x 200/150mm (8/6") 1 x 200/300mm (8/12") 1 x 100/75mm (4/3") 2 x 150/50mm (6/2") 2 x 100/200mm (4/8") ANSI	
8.26	Is vessel fitted with a stern manifold? If yes, state size:			No, 0 Millimetres	
Heating					
8.27	Cargo/slop tanks fitted with a cargo heating system?		Type	Coiled	Material
	Cargo Tanks:		Steam	Yes	SS
	Slop Tanks:		heating coils	Yes	stainless steel
8.27.1	Is a Thermal Oil Heating system fitted? If yes, identify tanks?			,	
8.28	Maximum temperature cargo can be loaded/maintained:			80.0 °C / 176.0 °F	80 °C / 176 °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?			No/N/A	
8.30	Is IGS supplied by flue gas, inert gas (IG) generator and/or nitrogen:			Nitrogen (Bottled)	
8.30.1	If nitrogen generator, specify the applicable flow rate for each of the designed purity modes:				
Cargo Pumps					
8.31	How many cargo pumps can be run simultaneously at full capacity:				3
8.32	Pumps	No.	Type	Capacity	At What Head (sg=1.0)
	Cargo Pumps:	3	Screw	510 M3/HR	110 Meters
	Cargo Eductors:	0			
	Stripping:	1	Reciprocating	30 Cu. Metres/Hour	
8.33	Is at least one emergency portable cargo pump provided?			No	
Tank Cleaning Systems					
8.34	Is tank cleaning equipment fixed in cargo tanks?			Yes	
8.35	Is portable tank cleaning equipment provided?			Yes	
8.36	Tank washing pump capacity:			56.00 Cu. Metres/Hour	
8.37	Is a washing water heater fitted? If yes is it operational and state max washing water temperature:			Yes, 90.00 Degrees Celsius	
8.38	What is the maximum number of machines that can be operated at their designed max pressure?			2	
Other Deck Equipment					
8.39	Is vessel fitted with a remote cargo tank temperature monitoring system. If yes, is it operational?			Yes,	
8.40	Is vessel fitted with a remote cargo tank pressure monitoring system. If yes, is it operational?			Yes,	
8.41	Is vessel fitted with a cargo tank drier. If yes is it operational and state capacity:			No,	
8.42	Is vessel fitted with a cargo cooling system. If yes is it operational and state tanks applicable:			,	
8.43	Is steam available on deck?			Yes	

9.	**MOORING**					
9.1	Wires (on drums)	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	0	0 Millimetres	0	0 Metres	0 Metric Tonnes
	Main deck fwd:	0	0 Millimetres	0	0 Metres	0 Metric Tonnes
	Main deck aft:	0	0 Millimetres	0	0 Metres	0 Metric Tonnes
	Poop deck:	0	0 Millimetres	0	0 Metres	0 Metric Tonnes
9.2	Wire tails	No.	Diameter	Material	Length	Breaking Strength

	Forecastle:	0	0 Millimetres	0	0 Metres	0 Metric Tonnes
	Main deck fwd:	0	0 Millimetres	0	0 Metres	0 Metric Tonnes
	Main deck aft:	0	0 Millimetres	0	0 Metres	0 Metric Tonnes
	Poop deck:	0	0 Millimetres	0	0 Metres	0 Metric Tonnes
9.3	Ropes (on drums)	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	2	40.00 Millimetres	PP/PE BI Constituentfiber	220.00 Metres	27.50 Metric Tonnes
	Main deck fwd:					
	Main deck aft:					
	Poop deck:	2	40.00 Millimetres	PP/PE BI Constituentfiber	220.00 Metres	27.50 Metric Tonnes
9.4	Other lines	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	4	40.00 Millimetres	PP/PE BI Constituentfiber	220.00 Metres	27.50 Metric Tonnes
	Main deck fwd:					
	Main deck aft:					
	Poop deck:	4	40.00 Millimetres	PP/PE BI Constituentfiber	220.00 Metres	27.50 Metric Tonnes
9.5	Winches	No.	No. Drums	Motive Power	Brake Capacity	Type of Brake
	Forecastle:	2	Sgl	Electr	19.00 Metric Tonnes	drum
	Main deck fwd:					
	Main deck aft:					
	Poop deck:	2	Sgl	Electr	19.00 Metric Tonnes	drum
9.6	Bitts, closed chocks/fairleads		No. Bitts	SWL Bitts	No. Closed Chocks	SWL Closed Chocks
	Forecastle:		6	26 Metric Tonnes	7	26 Metric Tonnes
	Main deck fwd:		2	26 Metric Tonnes		
	Main deck aft:		2			
	Poop deck:		6	26 Metric Tonnes	9	26 Metric Tonnes
Anchors/Emergency Towing System						
9.7	Number of shackles on port/starboard cable:				9/8	
9.8	Type/SWL of Emergency Towing system forward:					
9.9	Type/SWL of Emergency Towing system aft:					
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:				35.50 Metric Tonnes	
9.11	What is SWL of bollard on poop deck suitable for escort tug:				25.50 Metric Tonnes	
Lifting Equipment/Gangway						
9.12	Derrick/Crane description (Number, SWL and location):				Cranes: 1 x 1.00 Tonnes	
9.13	Accommodation ladder direction:					
	Does vessel have a portable gangway? If yes, state length:				Yes, 10 Metres	
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)'?				No	
9.15	If fitted, how many chain stoppers:					
9.16	State type/SWL of chain stopper(s):					
9.17	What is the maximum size chain diameter the bow stopper(s) can handle:					
9.18	Distance between the bow fairlead and chain stopper/bracket:				0 Metres	
9.19	Is bow chock and/or fairlead of enclosed type of OCIMF recommended size (600mm x 450mm)? If not, give details of size:				No	

10.	**PROPULSION**		
10.1	Speed	Maximum	Economical
	Ballast speed:	12.50 Knots (WSNP)	10 Knots (WSNP)
	Laden speed:	12 Knots (WSNP)	9 Knots (WSNP)

10.2	What type of fuel is used for main propulsion/generating plant:		IFO - 380	MGO
10.3	Type/Capacity of bunker tanks:		Fuel Oil: 0 Cu. Metres Diesel Oil: 0 Cu. Metres Gas Oil: 0 Cu. Metres	
10.4	Is vessel fitted with fixed or controllable pitch propeller(s):		Controllable	
10.5	Engines	No	Capacity	Make/Type
	Main engine:	1	2,640 Kilowatt	8M25
	Aux engine:	3	463 Kilowatt	Cummins KTA19-D(M)
	Power packs:			
	Boilers:	2	5.70 Metric Tonnes/Hour	
Bow/Stern Thruster				
10.6	What is brake horse power of bow thruster (if fitted):		Yes, 400.00 bhp	
10.7	What is brake horse power of stern thruster (if fitted):		No,	
Emissions				
10.8	Main engine IMO NOx emission standard:			
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 Liquified Gas, as applicable)?	Yes
11.2	What is maximum outreach of cranes/derricks outboard of the ship's side:	5.00 Metres
11.3	Date/place of last STS operation:	

12.	**RECENT OPERATIONAL HISTORY**	
12.1	Last three cargoes/charterers/voyages (Last/2nd Last/3rd Last):	
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, n/a Grounding: No, n/a Casualty: No, n/a Repair: No, n/a Collision: No, n/a
12.3	Date and place of last Port State Control inspection:	Sep 16, 2020 / Kaliningrad
12.4	Any outstanding deficiencies as reported by any Port State Control? If yes, provide details:	No n/a
12.5	Recent Oil company inspections/screenings (To the best of owners knowledge and 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.*	Shell, Equinor
12.6	Date/Place of last SIRE inspection:	Jun 06, 2021 / Lorient
12.6.1	Date/Place of last CDI inspection:	Dec 16, 2020 / Vigo
12.7	Additional information relating to features of the ship or operational characteristics:	na