

INTERTANKO CHARTERING QUESTIONNAIRE 88 - OIL/CHEMICAL

Version 5

1.	GENERAL INFORMATION		
1.1	Date updated:	23 RD Feb 2021	
1.2	Vessel's name (IMO number):	M/T. YC IRIS(9480007)	
1.3	Vessel's previous name(s) and date(s) of change:	DONGBU PROMY 3 / 06th Aug 2014	
1.4	Date delivered/Builder (where built):	Schedule : 26 th , Feb., 2011 NOK BONG SHIPYARD(GEOJE, KOREA)	
1.5	Flag/Port of Registry:	KOREA / JEJU	
1.6	Call sign/MMSI:	D8CT/441991000	
1.7	Vessel's contact details (satcom/fax/email etc.):	773110995/783112125/ yciris@sea-one.com	
1.8	Type of vessel (as described in Form A or Form B Q1.11 of the IOPPC):	PRODUCT CARRIER	
1.9	Type of hull:	DOUBLE HULL	
Ownership and Operation			
1.10	Registered owner - Full style:	Youngchang Enterprise Co.,Ltd. (Jaesong-Dong, Centumskybiz) A-dong. Room No.3901, #97, Centumjungang-Ro, Haeundae-Gu Busan, Republic of Korea	
1.11	Technical operator - Full style:	Youngchang Enterprise Co.,Ltd. (Jaesong-Dong, Centumskybiz) A-dong. Room No.3901, #97, Centumjungang-Ro, Haeundae-Gu Busan, Republic of Korea	
1.12	Commercial operator - Full style:	Youngchang Enterprise Co.,Ltd. Rm 903 Royal Bldg, Dangju-dong 5 Jongno-gu Seoul, Korea	
1.13	Disponent owner - Full style:	N/A	
Insurance			
1.14	P & I Club - Full Style:	SKULD	
1.15	P & I Club pollution liability coverage/expiration date:	USD 1 Billion	20 TH Feb 2022
1.16	Hull & Machinery insured by - Full Style: (Specify broker or leading underwriter)	KB Insurance	
1.17	Hull & Machinery insured value/expiration date:	USD14,400,000.00	26 TH May 2021
Classification			
1.18	Classification society:	KR	
1.19	Class notation:	OIL/CHEMICAL TANKER(DOUBLE HULL) 'ESP' (FBC) PRODUCT/II 2G 1.45SG(IBC) CLEAN1 IWS ERS LG LI BWE VEC1	
1.20	Is the vessel subject to any conditions of class, class extensions, outstanding memorandums or class recommendations? If yes, give details:	NO	
1.21	If classification society changed, name of previous and date of change:	ABS/29 th July 2014	
1.22	Does the vessel have ice class? If yes, state what level:	NO	
1.23	Date/place of last dry-dock:	16 th Mar 2019/ MOKPO, KOREA	
1.24	Date next dry dock due/next annual survey due:	25 th Feb 2021	25 th Feb 2022
1.25	Date of last special survey/next special survey due:	03 rd Mar 2016	25 th Feb 2021
1.26	If ship has Condition Assessment Program (CAP), what is the latest overall rating:	NO	
Dimensions			
1.27	Length overall (LOA):	121.40	
1.28	Length between perpendiculars (LBP):	113.58	
1.29	Extreme breadth (Beam):	19.20	
1.30	Moulded depth:	10.80	
1.31	Keel to masthead (KTM)/ Keel to masthead (KTM) in collapsed condition, if applicable:	39.90	
1.32	Distance bridge front to center of manifold:	36.5	

1.33	Bow to center manifold (BCM)/Stern to center manifold (SCM):		59.0	62.4
1.34	Parallel body distances	Lightship	Normal Ballast	Summer Dwt
	Forward to mid-point manifold:	22.75Meters	29.40Meters	33.77Meters
	Aft to mid-point manifold:	19.43Meters	25.68Meters	32.74Meters
	Parallel body length:	42.18Meters	55.08Meters	66.51Meters
Tonnages				
1.35	Net Tonnage:		3,418.00	
1.36	Gross Tonnage/Reduced Gross Tonnage (if applicable):		7,072.00	
1.37	Suez Canal Tonnage - Gross (SCGT)/Net (SCNT):		N/A	N/A
1.38	Panama Canal Net Tonnage (PCNT):		N/A	
Loadline Information				
1.39	Loadline	Freeboard	Draft	Deadweight
	Summer:	2.362	8.464	11,013.705
	Winter:	2.538	8.288	10,658.975
	Tropical:	2.186	8.640	11,370.437
	Lightship:	8.281	2.545	3,691.693
	Normal Ballast Condition:	5.433	5.393	5,046.394
	Segregated Ballast Condition:	5.433	5.393	5,046.394
1.40	FWA/TPC at summer draft:		183 mm	20.46 Ton
1.41	Does vessel have multiple SDWT? If yes, please provide all assigned loadlines:		No	
1.42	Constant (excluding fresh water):		250 TON	
1.43	What is the company guidelines for Under Keel Clearance (UKC) for this vessel?		<p>1. Ocean Passage : UKC must be greater than 20 % of the deepest draught.</p> <p>2. Outer Harbor & Shallow water : UKC must be greater than 15% of the deepest draught.</p> <p>3. Inner Harbor & River : UKC must be greater than 10% of the deepest draught.</p> <p>4. At berth : UKC must be greater one either 1.5% of ship's breadth or 0.5M</p>	
1.44	What is the max height of mast above waterline (air draft)		Full Mast	Collapsed Mast
	Summer deadweight:		31.00	
	Normal ballast:		33.00	
	Lightship:		35.09	

2.	CERTIFICATES	Issued	Last Annual	Last Intermediate	Expires
2.1	Safety Equipment Certificate (SEC):	03 rd Mar 2016	07 TH Apr 2020		25 th Feb 2021
2.2	Safety Radio Certificate (SRC):	03 rd Mar 2016	07 TH Apr 2020		25 th Feb 2021
2.3	Safety Construction Certificate (SCC):	03 rd Mar 2016	07 TH Apr 2020		25 th Feb 2021
2.4	International Loadline Certificate (ILC):	03 rd Mar 2016	07 TH Apr 2020		25 th Feb 2021
2.5	International Oil Pollution Prevention Certificate (IOPPC):	12 th Apr 2018	07 TH Apr 2020		25 th Feb 2021
2.6	International Ship Security Certificate (ISSC):	19 th Dec 2019			28 th Jan 2025
2.7	Maritime Labour Certificate (MLC):	09 TH Jan 2020			02 nd Feb 2025
2.8	ISM Safety Management Certificate (SMC):	19 th Dec 2019			28 th Jan 2025
2.9	Document of Compliance (DOC):	03 rd Apr 2018	14 th Apr 2020		02 nd Mar 2023
2.10	USCG Certificate of Compliance(USCGCOC):		N/A		
2.11	Civil Liability Convention (CLC) 1992 Certificate:	20 th Feb 2021			20 th Feb 2022
2.12	Civil Liability for Bunker Oil Pollution Damage	20 th Feb 2021			20 th Feb 2022

	Convention (CLBC) Certificate:				
2.13	Liability for the Removal of Wrecks Certificate (WRC):	20 th Feb 2021			20 th Feb 2022
2.14	U.S. Certificate of Financial Responsibility (COFR):	N/A	N/A		N/A
2.15	Certificate of Class (COC):	29 th Aug 2017	07 TH Apr 2020		25 th Feb 2021
2.16	International Sewage Pollution Prevention Certificate (ISPPC):	20 th Jun 2018			25 th Feb 2021
2.17	Certificate of Fitness (COF):	03 rd Mar 2016	07 TH Apr 2020		25 th Feb 2021
2.18	International Energy Efficiency Certificate (IEEC):	07 th Aug 2014	PERMANENT		PERMANENT
2.19	International Air Pollution Prevention Certificate (IAPPC):	03 rd Mar 2016	07 TH Apr 2020		25 th Feb 2021

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)?		N/A
2.23	ITF Blue Card expiry date (if applicable):		N/A

3.	CREW	
3.1	Nationality of Master:	KOREA
3.2	Number and nationality of Officers:	5-KOREA / 2- MYANMAR / 2-VIETNAM
3.3	Number and nationality of Crew:	8 MYANMAR / 1 CHINA
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:	<p>OFFICER Youngchang Enterprise Co.,Ltd. (Jaesong-Dong, Centumskybiz) A-dong. Room No.3901, #97, Centumjungang-Ro, Haeundae-Gu Busan, Republic of Korea Tel :+82-51-661-1011 Fax :+82-51-661-1077 E-mail : pmt@youngchang.net</p> <p>CREW PIA SHIPMANAGEMENT CO., LTD RM 202, 16-2, JUNGANG-DAERO, 180BENGGIL, DONG-GU BUSAN, KOREA Tel : +82-51-441-0028 Fax :+82-51-441-0083 E-mail : piasm@piasm.com</p> <p>M.FUTURE CORPORATION RM 602, KUMMIN BLDG, 6-11, JUNGANG-DAERO 180BEON-GIL, DONG-GU, BUSAN, KOREA Tel :+82-51-464-0030 Fax :+82-51-464-0031 E-mail : mfkorea@marinefuture.com</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?	N/A
4.2	Qualified individual (QI) - Full style:	N/A

4.3	Oil Spill Response Organization (OSRO) - Full style:	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):	
5.2	Can the ship comply with the ICS Helicopter Guidelines?	N/A
5.2.1	If Yes, state whether winching or landing area provided:	N/A
5.2.2	If Yes, what is the diameter of the circle provided:	N/A

6.	COATING/ANODES				
6.1	Tank Coating	Coated	Type	To What Extent	Anodes
	Cargo tanks:	Yes	Epoxy	Whole tank	NO
	Ballast tanks:	Yes	Epoxy	Whole tank	YES
	Slop tanks:	Yes	Epoxy	Whole tank	NO

7.	BALLAST				
7.1	Pumps	No.	Type	Capacity	At What Head (sg=1.0)
	Ballast Pumps:	2	CENTRIFUGAL	350M3	20
	Ballast Eductors:				

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 (98%):	12	11,805.429m3		
8.2.1	Capacity (98%) of each natural segregation with double valve (specify tanks):	1P : 919.470 m3 1S : 913.652m3 2P : 1,172.894 m3 2S : 1173.210 m3 3P : 1,182.586 m3 3S : 1,182.020 m3 4P : 1,181.537 m3 4S : 1,181.617 m3 5P : 1,223.965 m3 5S : 1,230.153 m3 SP : 223.054 m3 SS : 221.270 m3			
8.2.2	IMO class (Oil/Chemical Ship Type 1, 2 or 3):	2			
8.3	Number of slop tanks and total cubic capacity (98%):	2	444.324m3		
8.3.1	Specify segregations which slops tanks belong to and their capacity with double valve:	PORT : 223.054 m3 STBD : 221.270 m3			
8.3.2	Residual/retention oil tank(s) capacity (98%), if applicable:	10.21 m3			
SBT Vessels					
8.3.3	What is total SBT capacity and percentage of SDWT vessel can maintain?	4,052.817m3	38.22 %		
8.3.4	Does vessel meet the requirements of MARPOL Annex I Reg 18.2:	Yes			
Cargo Handling and Pumping Systems					
8.4	How many grades/products can vessel load/discharge with double valve segregation:	11			
8.4.1	State type of cargo containment (integral, independent, gravity or pressure tanks):	INTERGRAL GRAVITY			
8.5	Are there any cargo tank filling restrictions? If yes, specify number of slack tanks, max s.g., ullage restrictions etc.:	Max. Filling ratio (% full) = DSG1.45/SG x 100			
8.6	Max loading rate for homogenous cargo	With VECS	Without VECS		
	Loaded per manifold connection:	375m3/ per line	830m3		
	Loaded simultaneously through all manifolds:	1098m3/common line	1876m3/common		

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	
	What type of fixed closed tank gauging system is fitted:		Float	
	Is a tank overflow control system fitted? If yes, then state if system includes automatic closing of valves?		NO	
	Are high level alarms fitted to the cargo tanks? If Yes, indicate whether to all tanks or partial:		ALL CARGO TANKS	
8.9.1	Can cargo be transferred under closed loading conditions in accordance with ISGOTT 11.1.6.6?		Yes	
8.9.2	Are cargo tanks fitted with multipoint gauging? If yes, specify type and locations:		NO	
8.10	Number of portable gauging units (example- MMC) on board:		2	
Vapor Emission Control System (VECS)				
8.11	Is a Vapour Emission Control System (VECS) fitted?		Yes	
8.12	Number/size of VECS manifolds (per side):	2	8 Inch	
8.13	Number/size/type of VECS reducers:	4 / 8 x 10 Inch / SUS304		
Venting				
8.14	State what type of venting system is fitted:		HIGH VELOCITY	
Cargo Manifolds and Reducers				
8.15	Total number/size of cargo manifold connections on each side:	11 / Each cargo line 6" & Common line 12"		
8.15.1	Does the vessel have a Common Line Manifold connection? If yes, describe:	Yes, 12" JIS 16K300A		
8.16	What type of valves are fitted at manifold:	BUTTERFLY GEAR OPERATED		
8.17	What is the material/rating of the manifold:	SUS316 / JIS 16K150A, JIS 16K300A		
8.17.1	Does vessel comply with the latest edition of the OCIMF 'Recommendations for Oil Tanker Manifolds and Associated Equipment'?	Yes		
8.18	Distance between cargo manifold centers:	880mm(Cargo manifold <-> Common manifold) 350&710 & 730mm(Cargo manifold <-> Cargo manifold)		
8.19	Distance ships rail to manifold:	3600mm		
8.20	Distance manifold to ships side:	3800mm		
8.21	Top of rail to center of manifold:	1040mm		
8.22	Distance main deck to center of manifold:	2640mm		
8.23	Spill tank grating to center of manifold:	840mm		
8.24	Manifold height above the waterline in normal ballast/at SDWT condition:	8073mm	5002mm	
8.25	Number/size/type of reducers:	12"x12"=1, 12"x 10"=1, 12"x8"=1, 12"x6"=3 10"x8"=1, 10"x6"=2,8"x6"=2, 6"x6"=5,6"x4"=1		
8.26	Is vessel fitted with a stern manifold? If yes, state size:	Yes / 12"		
Heating				
8.27	Cargo/slop tanks fitted with a cargo heating system?	Type	Coiled	Material
	Cargo Tanks:	STEAM	INSULATION	SUS316
	Slop Tanks:	STEAM	INSULATION	SUS316
8.27.1	Is a Thermal Oil Heating system fitted? If yes, identify tanks?	N/A		
8.28	Maximum temperature cargo can be loaded/maintained:	70°C	70°C	
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?	N/A		
8.29.1	Is a Crude Oil Washing (COW) installation fitted/operational?	N/A		
8.30	Is IGS supplied by flue gas, inert gas (IG) generator and/or nitrogen:	N/A		
8.30.1	If nitrogen generator, specify the applicable flow rate for each of the designed purity modes:	N/A		
Cargo Pumps				

8.31	How many cargo pumps can be run simultaneously at full capacity:			4(300M3) & 2(100M3)	
8.32	Pumps	No.	Type	Capacity	At What Head (sg=1.0)
	Cargo Pumps:	10/2	SUBMERGED	300M3/h x 100MCC	110
	Cargo Eductors:				
	Stripping:	2	SUBMERGED(ENTRIFUGL)	100M3/h x 70MCC	
8.33	Is at least one emergency portable cargo pump provided?			YES/70M3/h x 70mcc	
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:			100M3/h x 70MCC	
8.37	Is a washing water heater fitted? If yes is it operational and state max washing water temperature:			YES / 60'C	
8.38	What is the maximum number of machines that can be operated at their designed max pressure?			8KG/CM2	
Other Deck Equipment					
8.39	Is vessel fitted with a remote cargo tank temperature monitoring system. If yes, is it operational?			YES /CCR	
8.40	Is vessel fitted with a remote cargo tank pressure monitoring system. If yes, is it operational?			YES/CCR	
8.41	Is vessel fitted with a cargo tank drier. If yes is it operational and state capacity:			FIXED GAS FREE FAN / 160M3/MIN x 1000mmAq	
8.42	Is vessel fitted with a cargo cooling system. If yes is it operational and state tanks applicable:			Yes	
8.43	Is steam available on deck?			Yes	

9.	MOORING					
9.1	Wires (on drums)	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:		N/A	N/A	N/A	N/A
	Main deck fwd:		N/A	N/A	N/A	N/A
	Main deck aft:		N/A	N/A	N/A	N/A
	Poop deck:		N/A	N/A	N/A	N/A
9.2	Wire tails	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:		N/A	N/A	N/A	N/A
	Main deck fwd:		N/A	N/A	N/A	N/A
	Main deck aft:		N/A	N/A	N/A	N/A
	Poop deck:		N/A	N/A	N/A	N/A
9.3	Ropes (on drums)	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	4	60mm	POLY PROPYLENE POLYESTER COMPOSITE	200mtrs	67.00 TON
	Main deck fwd:		N/A	N/A	N/A	N/A
	Main deck aft:		N/A	N/A	N/A	N/A
	Poop deck:	4	60mm	POLY PROPYLENE POLYESTER COMPOSITE	200mtrs	67.00 TON
9.4	Other lines	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	4	60mm	POLY PROPYLENE POLYESTER COMPOSITE	200mtrs	67.00 TON
	Main deck fwd:		N/A	N/A	N/A	N/A
	Main deck aft:		N/A	N/A	N/A	N/A
	Poop deck:	4	60mm	POLY PROPYLENE POLYESTER COMPOSITE	200mtrs	67.00 TON
9.5	Winches	No.	No. Drums	Motive Power	Brake Capacity	Type of Brake
	Forecastle:	2	4	Hyd.Power	29.2	Non Asbestos
	Main deck fwd:		N/A	N/A	N/A	N/A

	Main deck aft:		N/A	N/A	N/A	N/A
	Poop deck:	2	4		29.2	
9.6	Bitts, closed chocks/fairleads		No. Bitts	SWL Bitts	No. Closed Chocks	SWL Closed Chocks
	Forecastle:		2 / 2	45 / 64	1 / 2	100 / 45
	Main deck fwd:		8	32	4	32
	Main deck aft:		8	32	2 / 4	32 / 25
	Poop deck:		2 / 2 / 2	32 / 45 / 64	1 / 2	64 / 45

Anchors/Emergency Towing System

9.7	Number of shackles on port/starboard cable:	P 9.0 S X 27.5M / S 10.0 S X 27.5M	
9.8	Type/SWL of Emergency Towing system forward:	6x36 IWRC	32 Tons
9.9	Type/SWL of Emergency Towing system aft:	6x36 IWRC	32 Tons

Escort Tug

9.10	What is size/SWL of closed chock and/or fairleads of enclosed type on stern:	64 / 32 TON	YES
9.11	What is SWL of bollard on poop deck suitable for escort tug:	32 / 45 / 64 TON	

Lifting Equipment/Gangway

9.12	Derrick/Crane description (Number, SWL and location):	2 Hose crane, 3.0T & 2.1T, center of catwalk & Stern	
9.13	Gangway direction & length:	To Stern Direction / 2	7570mm

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)':?	Yes	
9.15	If fitted, how many chain stoppers:	1	
9.16	State type/SWL of chain stopper(s):	Tongue Type bow stopper	100 TON
9.17	What is the maximum size chain diameter the bow stopper(s) can handle:	54mm	
9.18	Distance between the bow fairlead and chain stopper/bracket:	2.8 Mtr	
9.19	Is bow chock and/or fairlead of enclosed type of OCIMF recommended size (600mm x 450mm)? If not, give details of size:	Yes	

10. PROPULSION

10.1	Speed		Maximum	Economical
	Ballast speed:		14.5 Kts	13.2 Kts
	Laden speed:		13.1 Kts	12.3 Kts
10.2	What type of fuel is used for main propulsion/generating plant:		VLSFO	VLSFO
10.3	Type/Capacity of bunker tanks:		IFO 508.513 M3 / MGO 70.405M3	
10.4	Is vessel fitted with fixed or controllable pitch propeller(s):		FIXED	
10.5	Engines	No	Capacity	Make/Type
	Main engine:	1	173rpm / 4440kw	Man B&W 6S35MK7
	Aux engine:	3	900rpm / 615kw	YANMAR 6EY18AL
	Power packs:	4	527L/min / 241bar	FRAMO A4V355
	Boilers:	1	0.9MPa(0.7Mpa/1.200kg/h	MIURA Z Boiler HB-12T

Bow/Stern Thruster

10.6	What is brake horse power of bow thruster (if fitted):	600HP (450 Kw)
10.7	What is brake horse power of stern thruster (if fitted):	N/A

Emissions

10.8	Main engine IMO NOx emission standard:	16.1g/Kwh
10.9	Energy Efficiency Design Index (EEDI) rating number:	N/A

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:	4.4 MTRS
11.3	Date/place of last STS operation:	13 th Jul' 2017

12.	RECENT OPERATIONAL HISTORY	
12.1	Last three cargoes/charterers/voyages (Last/2nd Last/3rd Last):	AS PER CHATERERS
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:	NO
12.3	Date and place of last Port State Control inspection:	10 th Nov 2020 / Batangas, Phillipines
12.4	Any outstanding deficiencies as reported by any Port State Control? If yes, provide details:	No
12.5	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>	No
12.6	Date/Place of last SIRE inspection:	BIECO : 25TH Oct, 2020 / Ulsan, Korea
12.6.1	Date/Place of last CDI inspection:	05th Sep 2018 / Ulsan, Korea
12.7	Additional information relating to features of the ship or operational characteristics:	BP, 10TH NOV 2019 / YOSU, KOREA

Revised 2018 (INTERTANKO/Q88.com)

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