

INTERTANKO CHARTERING QUESTIONNAIRE 88 - OIL/CHEMICAL

Version 5

1.	GENERAL INFORMATION		
1.1	Date updated:	2021.02.23	
1.2	Vessel's name (IMO number):	YC CLOVER(9478078)	
1.3	Vessel's previous name(s) and date(s) of change:	N/A	
1.4	Date delivered/Builder (where built):	2008.07.24 / KWANGSUNG SHIPBUILDING CO.,LTD	
1.5	Flag/Port of Registry:	PANAMA / PANAMA	
1.6	Call sign/MMSI:	3ESP5 / 370388000	
1.7	Vessel's contact details (satcom/fax/email etc.):	773 110 990 / 783 112 115 ycclover@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 / Double bottom	
Ownership and Operation			
1.10	Registered owner - Full style:	MACOS SHIPPING S.A. PANAMA Tel: +807-265-7777 Fax: N/A	
1.11	Technical operator - Full style:	Youngchang Enterprise Co.,Ltd. Tel: +82-51-661-1031 Fax: +82-51-661-1077 Email: sqt@youngchang.net	
1.12	Commercial operator - Full style:	Youngchang Enterprise Co.,Ltd. Rm 903, 19, Saemunan-ro 5-gil, Jongno-gu, Seoul, Korea Tel : +82-2-732-7017 Fax : +82-2-732-7016 Mob : +82-10-8547-0930 Email : ops@youngchang.net	
1.13	Disponent owner - Full style:	N/A	
Insurance			
1.14	P & I Club - Full Style:	SKULD MUTUAL PROTECTION and INDEMNITY ASSOCIATION(BERMUDA)LTD	
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 IN KOREA / T1544-0114 /F0505-136-0550	
1.17	Hull & Machinery insured value/expiration date:	19,200,000 US\$	26 th May 2021
Classification			
1.18	Classification society:	Korea Register of Shipping	
1.19	Class notation:	KRS1-OIL/CHEMICAL TANKER(DOUBLE HULL)'ESP'(FBC) PRODUCT/II 2G /1.5S.G(IBC) CLEAN1 ERS LI KRM1 BWE VEC1	
1.20	Is the vessel subject to any conditions of class, class extensions, outstanding memorandums or class recommendations? If yes, give details:	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:	Not applicable	
1.23	Date/place of last dry-dock:	27 th Jul' 2018 / Busan	
1.24	Date next dry dock due/next annual survey due:	2021.07.27	2022.07.23
1.25	Date of last special survey/next special survey due:	2018.07.27	2023.07.23
1.26	If ship has Condition Assessment Program (CAP), what is the latest overall rating:	N/A	
Dimensions			
1.27	Length overall (LOA):	114.4M	
1.28	Length between perpendiculars (LBP):	106.4M	
1.29	Extreme breadth (Beam):	18.2M	

1.30	Moulded depth:	10M		
1.31	Keel to masthead (KTM)/ Keel to masthead (KTM) in collapsed condition, if applicable:	31.2M	N/A	
1.32	Distance bridge front to center of manifold:	27.6M		
1.33	Bow to center manifold (BCM)/Stern to center manifold (SCM):	57.20M	57.20M	
1.34	Parallel body distances	Lightship	Normal Ballast	Summer Dwt
	Forward to mid-point manifold:	21.4 M	27.8 M	31.9 M
	Aft to mid-point manifold:	18.7 M	23.9 M	29.6 M
	Parallel body length:	40.1 M	51.7 M	61.5 M

Tonnages

1.35	Net Tonnage:	2,743 TONS		
1.36	Gross Tonnage/Reduced Gross Tonnage (if applicable):	5,667 TONS	N/A	
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	Displacement
	Summer:	2.211	7.813	8981	11889.1
	Winter:	2.374	7.650	8684.7	11592.8
	Tropical:	2.049	7.975	9276.6	12184.7
	Lightship:	7.685	2.339		2908.1
	Normal Ballast Condition:	5.008	5.016	4099.4	7007.5
	Segregated Ballast Condition:	5.008	5.016	4099.4	7007.5
1.40	FWA/TPC at summer draft:			131.0 mm	18.184
1.41	Does vessel have multiple SDWT? If yes, please provide all assigned loadlines:	NO			
1.42	Constant (excluding fresh water):	100TONS			
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:		23.387 M	N/A	
	Normal ballast:		26.184 M	N/A	
	Lightship:		28.861 M	N/A	

2.	CERTIFICATES	Issued	Last Annual	Last Intermediate	Expires
2.1	Safety Equipment Certificate (SEC):	2018.07.27	2020.07.13		2023.07.23
2.2	Safety Radio Certificate (SRC):	2018.07.27	2020.07.13		2023.07.23
2.3	Safety Construction Certificate (SCC):	2018.07.27	2020.07.13		2023.07.23
2.4	International Loadline Certificate (ILC):	2018.07.27	2020.07.13		2023.07.23
2.5	International Oil Pollution Prevention Certificate (IOPPC):	2018.07.27	2020.07.13		2023.07.23
2.6	International Ship Security Certificate (ISSC):	2019.01.15			2023.12.27
2.7	Maritime Labour Certificate (MLC):	2018.06.20			2023.08.04
2.8	ISM Safety Management Certificate (SMC):	2018.01.15		2019.03.04	2021.07.30
2.9	Document of Compliance (DOC):	2018.04.03	2020.04.14		2023.03.02
2.10	USCG Certificate of Compliance(USCGCOC):	N/A	N/A	N/A	N/A
2.11	Civil Liability Convention (CLC) 1992 Certificate:	2021.02.20			2022.02.20

2.12	Civil Liability for Bunker Oil Pollution Damage Convention (CLBC) Certificate:	2021.02.20			2022.02.20
2.13	Liability for the Removal of Wrecks Certificate (WRC):	2021.02.20			2022.02.20
2.14	U.S. Certificate of Financial Responsibility (COFR):	N/A	N/A	N/A	N/A
2.15	Certificate of Class (COC):	2018.07.27	2020.07.13		2023.07.23
2.16	International Sewage Pollution Prevention Certificate (ISPPC):	2018.07.27	PERMANENT		2023.07.23
2.17	Certificate of Fitness (COF):	2018.07.27	2020.07.13		2023.07.23
2.18	International Energy Efficiency Certificate (IEEC):	2013.08.07	PERMANENT		
2.19	International Air Pollution Prevention Certificate (IAPPC):	2018.09.11	2020.07.13		2023.07.23

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:		KOREAN
3.2	Number and nationality of Officers:	8	KOREAN & MYANMAR
3.3	Number and nationality of Crew:	8	MYANMAR
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>DOGEUN SHIPPING RM601, #26 CHUNGJANG-DAERO, JUNG-GU, BUSAN, KOREA Tel : + 82-070-7755 Fax : + 82-51-747-2353 E-mail : dgs@dgship.co.kr</p> <p>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:		N/A

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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):	NO
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	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	Hydraulic(Framo)	300 M3/HR	25
	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	9,557.233 m3		
8.2.1	Capacity (98%) of each natural segregation with double valve (specify tanks):	1P : 681.196 / 1S : 681.558 2P : 878.791 / 2S : 878.997 3P : 1159.617 / 3S : 1159.257 4P : 1158.608 / 4S : 1159.040 5P : 693.808 / 5S : 698.389 SP : 204.659 / SS : 698.389 TOTAL : 9,557.233			
8.2.2	IMO class (Oil/Chemical Ship Type 1, 2 or 3):	TYPE 2			
8.3	Number of slop tanks and total cubic capacity (98%):	2	407.972 m3		
8.3.1	Specify segregations which slops tanks belong to and their capacity with double valve:	Port : 204.659 m3 / Stbd : 698.389 m3			
8.3.2	Residual/retention oil tank(s) capacity (98%), if applicable:	N/A			
SBT Vessels					
8.3.3	What is total SBT capacity and percentage of SDWT vessel can maintain?	2,773.613 m3	30.88%		
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:	12			
8.4.1	State type of cargo containment (integral, independent, gravity or pressure tanks):	Integral Gravity			
8.5	Are there any cargo tank filling restrictions? If yes, specify number of slack tanks, max s.g., ullage restrictions etc.:	YES Max. Filling ratio (% full) = DSG1.53/SG x 100			
8.6	Max loading rate for homogenous cargo	With VECS	Without VECS		
	Loaded per manifold connection:	460 M3	460 M3		
	Loaded simultaneously through all manifolds:	1,000 M3	1,000 M3		
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 Type Level & Temperature Gauge	
	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:	Yes / All 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):	1	150MM
8.13	Number/size/type of VECS reducers:	1 / ASA 6 X ASA 8 / SUS 316	
Venting			
8.14	State what type of venting system is fitted:	INDEPENDENT HIGH VELOCITY P/V VALVE	
Cargo Manifolds and Reducers			
8.15	Total number/size of cargo manifold connections on each side:	12 / 150.00 Millimetres	
8.15.1	Does the vessel have a Common Line Manifold connection? If yes, describe:	YES	
8.16	What type of valves are fitted at manifold:	BUTTERFLY	
8.17	What is the material/rating of the manifold:	304 Stainless	
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:	440MM	
8.19	Distance ships rail to manifold:	3150mm(Common) / 3540MM (Cargo)	
8.20	Distance manifold to ships side:	Common : 3460mm Cargo : 3730MM(Port side), 3623MM(Stbd Side)	
8.21	Top of rail to center of manifold:	1400MM	
8.22	Distance main deck to center of manifold:	2500MM	
8.23	Spill tank grating to center of manifold:	500MM	
8.24	Manifold height above the waterline in normal ballast/at SDWT condition:	8.70(Cargo manifold) 7.508 M(Common manifold)	5.19 M(Cargo manifold) 4.711 M(Common manifold)
8.25	Number/size/type of reducers:	J12XA12=1, J8XA12=1, J8XA10=1 A8XA8=2, J8XA6=1, J8XJ6=1 J6XA10=1, J6XA8=2, J6XA6=2 J6XJ6=2, J6XJ5=1, J6XJ4=1 J4XJ5=2, J4XA4=1	
8.26	Is vessel fitted with a stern manifold? If yes, state size:	NO	
Heating			
8.27	Cargo/slop tanks fitted with a cargo heating system?	Type	Coiled
	Cargo Tanks:	DECK HEATER EXCHANGER	NO
	Slop Tanks:	HEATING COIL(STEAM)	YES
			Material
			Stainless
			Stainless
8.27.1	Is a Thermal Oil Heating system fitted? If yes, identify tanks?	NO	
8.28	Maximum temperature cargo can be loaded/maintained:	80	70
8.28.1	Minimum temperature cargo can be loaded/maintained:	10	10
Inert Gas and Crude Oil Washing			

8.29	Is an Inert Gas System (IGS) fitted/operational?			NITROGEN CYLINER ONLY	
8.29.1	Is a Crude Oil Washing (COW) installation fitted/operational?			NO	
8.30	Is IGS supplied by flue gas, inert gas (IG) generator and/or nitrogen:			NO	
8.30.1	If nitrogen generator, specify the applicable flow rate for each of the designed purity modes:			NO	
Cargo Pumps					
8.31	How many cargo pumps can be run simultaneously at full capacity:			4	
8.32	Pumps	No.	Type	Capacity	At What Head (sg=1.0)
	Cargo Pumps:	12	Hydraulic(Framo)	300/200 M3/HR	110 mlc
	Cargo Eductors:				
	Stripping:				
8.33	Is at least one emergency portable cargo pump provided?			YES	
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:			150M3	
8.37	Is a washing water heater fitted? If yes is it operational and state max washing water temperature:			YES / 80°C	
8.38	What is the maximum number of machines that can be operated at their designed max pressure?			22	
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:			FIXED GAS FREE FAN / 9000.00 Cumeter/Hour	
8.42	Is vessel fitted with a cargo cooling system. If yes is it operational and state tanks applicable:			NO	
8.43	Is steam available on deck?			YES	

9.	MOORING					
9.1	Wires (on drums)	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:					
	Main deck fwd:					
	Poop deck:					
9.2	Wire tails	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:					
	Main deck fwd:					
	Poop deck:					
9.3	Ropes (on drums)	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	4	50 MM	SUPERFLEX	200 M	48 MT
	Main deck fwd:					
	Poop deck:	4	50 MM	SUPERFLEX	200 M	48 MT
9.4	Other lines	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	5	50 MM	SUPERFLEX	200 M	48 MT
	Main deck fwd:					
	Poop deck:	5	50 MM	SUPERFLEX	200 M	48 MT

9.5	Winches	No.	No. Drums	Motive Power	Brake Capacity	Type of Brake
	Forecastle:		2	Hydraulic	30 MT	BREAK LINING
	Main deck fwd:					
	Main deck aft:					
	Poop deck:		2	Hydraulic	30 MT	BREAK LINING
9.6	Bitts, closed chocks/fairleads		No. Bitts	SWL Bitts	No. Closed Chocks	SWL Closed Chocks
	Forecastle:		4	23.5 MT	3	23.5 MT
	Main deck fwd:		2	23.5 MT	2	23.5 MT
	Main deck aft:		2	23.5 MT	2	23.5 MT
	Poop deck:		5	23.5 MT	3	23.5 MT

Anchors/Emergency Towing System

9.7	Number of shackles on port/starboard cable:	9 / 9
9.8	Type/SWL of Emergency Towing system forward:	N/A
9.9	Type/SWL of Emergency Towing system aft:	N/A

Escort Tug

9.10	What is size/SWL of closed chock and/or fairleads of enclosed type on stern:	350	25.5 MT
9.11	What is SWL of bollard on poop deck suitable for escort tug:	25.5 MT	

Lifting Equipment/Gangway

9.12	Derrick/Crane description (Number, SWL and location):	Crane: 1 x 0.9 Tones / Midship	
9.13	Gangway direction & length:	Forward	65.95MM

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)':?	N/A	
9.15	If fitted, how many chain stoppers:	N/A	
9.16	State type/SWL of chain stopper(s):	N/A	N/A
9.17	What is the maximum size chain diameter the bow stopper(s) can handle:	N/A	
9.18	Distance between the bow fairlead and chain stopper/bracket:	N/A	
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:		15.5	12.5
	Laden speed:		13.5	11.0
10.2	What type of fuel is used for main propulsion/generating plant:		MFO-380	MDO
10.3	Type/Capacity of bunker tanks:		MFO : 538.03 M3 / MDO : 82.2 M3	
10.4	Is vessel fitted with fixed or controllable pitch propeller(s):		FIXED PROPELLER	
10.5	Engines	No	Capacity	Make/Type
	Main engine:	1	6,060PS x 173RPM	STX MAN B&W 6S35MC
	Aux engine:	3	600PS x 1200 RPM	STX NIIGATA 6NSD-G
	Power packs:	3	180KW	COSAKA
	Boilers:	1	60,000 Kcal	MIURA HB-10

Bow/Stern Thruster

10.6	What is brake horse power of bow thruster (if fitted):	476 BHP / 350 KW
10.7	What is brake horse power of stern thruster (if fitted):	N/A

Emissions

10.8	Main engine IMO NOx emission standard:	14.92g/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 Liquefied Gas, as applicable)?	YES
11.2	What is maximum outreach of cranes/derricks outboard of the ship's side:	2.6 M
11.3	Date/place of last STS operation:	N/A

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:	NO
12.3	Date and place of last Port State Control inspection:	2020.07.02 / Ulsan, Korea
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)*: * "Approvals" are not given by Oil Majors and ships are accepted for the voyage on a case by case basis.	NO
12.6	Date/Place of last SIRE inspection:	16-FEB-2021 / PREEM(ANPING, Taiwan)
12.6.1	Date/Place of last CDI inspection:	2018.05.13 / YEOSU, KOREA
12.7	Additional information relating to features of the ship or operational characteristics:	NO

Revised 2018 ([INTERTANKO/Q88.com](http://www.intertanko.com))

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