

Vessel : **M/T PGC MARINA**

Place of
inspection: BAYTOWN / TX / USA

Date of inspection: 18-19 DECEMBER 2015

Inspected by : K.SAKKAS
Safety Manager / DPA

Distribution to : PARADISE NAVIGATION SA
Technical Manager
Operations Manager
Tech.Superintendent

M/T PGC MARINA
Master
Ch.Engineer

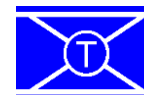
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A.
GENERAL DESCRIPTION

(all dimensions/weights metric)

SHIP'S NAME	PGC MARINA (ex Polar)
OWNER	MARINA MARITIME & TRADING LTD
CALL SIGN	C6AS5
FLAG	BAHAMAS
PORT OF REGISTRY	NASSAU
OFFICIAL NUMBER	7000568
DATE OF BUILD	JUNE 2005
PLACE OF BUILD	HUDONG-ZHONGHUA SHIPYARD
HULL NUMBER	H1333A
KIND AND TYPE OF VESSEL	OIL TANKER
CLASSIFICATION SOCIETY	LLOYD'S REGISTER OF SHIPPING
CLASSIFICATION NOTATION	+100A1 DOUBLE HULL OIL TANKER
CLASSIFICATION NUMBER	9299563
IMO NUMBER	9299563
SUMMER DEADWEIGHT	72854
SUMMER DRAFT	14.015
LIGHT SHIP WEIGHT	13395
L.O.A.	228.6
L.B.P.	218.6
BREADTH (MLD)	32.26
DEPTH (MLD)	20.2
G.R.T.	40690
N.R.T.	21232
PANAMA CANAL GROSS TONNAGE	40690
PANAMA CANAL NET	33630
SUEZ CANAL GROSS TONNAGE	37840.8
SUEZ CANAL NET	34923.8
PROPULSION MACHINERY	HMM MAN B&W 6S60MC - CMK-6
	MCR 11500KW @ 105 RPM
ELECTRIC POWER	3 x 600KW @ 900 RPM


B. LIST OF STATUTORY CERTIFICATES

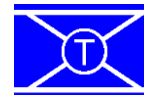
	issue date	expiry date
REGISTRY	1/9/2014	issued once
SAFE MANNING	7/19/2013	7/19/2018
RADIO STATION LICENCE	7/18/2013	issued once
LOAD LINE	6/17/2015	6/1/2020
SAFETY CONSTRUCTION	6/17/2015	6/1/2020
SAFETY EQUIPMENT	6/17/2015	6/1/2020
SAFETY RADIO	6/17/2015	6/1/2020
IOPP	6/17/2015	6/1/2020
IAPP	6/17/2015	6/1/2020
ISPP	6/17/2015	6/1/2020
DERATTING EXEMPTION	8/28/2015	2/28/2016
CARGO GEAR ANNUAL SURVEY	6/17/2015	6/16/2016
SAFETY MANAGEMENT CERT-SMC	1/24/2014	12/12/2018
DOCUMENT OF COMPLIANCE - D.O.C.	5/22/2013	4/28/2018

C. CLASSIFICATION SURVEYS

ANNUAL HULL	6/17/2015	6/1/2016
MACHINERY	6/17/2015	6/1/2016
LAST SPECIAL SURVEY	6/17/2015	6/1/2020
LAST DRYDOCKING	6/17/2015	6/16/2018
LAST TAILSHAFT	6/17/2015	6/16/2020

D. ESSENTIAL DOCUMENTS/MANUALS ONBOARD

	YES/NO
LOADING MANUAL	YES
ODM MANUAL	YES
INERT GAS MANUAL	YES
GARBAGE MANAGEMENT PLAN	YES
GARBAGE LOG BOOK	YES
OIL WATER SEPARATOR MANUAL	YES
GMDSS MANUAL	YES
COMPUTERIZED LOADING PROGRAM MANUAL	YES
ISM MANUALS & CHECKLISTS	YES
SOLAS FFE & LSA TRAINING MANUALS	YES
FLEET CIRCULARS	YES
SOPEP	YES
SHIP SECURITY PLAM	YES
STS AND ETA MANUALS	YES
SEEMP MANUAL	YES
BIOFOULING MANAGEMENT PLAN	YES
VOCS MANUAL	YES

**E. CRITERIA FOR EVALUATION OF CONDITION**

GOOD	Condition superior in all respects or better than average. A condition of unimpaired original strength and/or efficiency. No maintenance or repair required.
SATISFACTORY	Condition average. Deficiencies of a minor nature not requiring correction. A condition of such a wear and tear of such an extent as not to essentially affect original strength and/or efficiency.
SERVICEABLE	Condition just below average. Condition of wear and tear of such an extent as to reduce strength and/or efficiency to a degree short of necessity for immediate corrective measures, however still fit for further use or service
UNSATISFACTORY	Condition below average. Deficiencies requiring immediate corrective measures or those carrying a grace period granted by regulatory bodies.
POOR	Condition deteriorated in all respects. Beyond economical repair, requiring renewal or replacement.
SUBJET TO FURTHER SURVEY	Condition of specific item could not be ascertained, and further inspection is imperative for full evaluation of ship's general condition.

F. CONDITION REPORT
1. HULL FITTINGS AND EXTERNAL SYSTEMS

		<u>condition</u>
1.1	FLAT BOTTOM not seen, no problems reported	GOOD
1.2	LOW VERTICAL BOTTOM same as above	GOOD
1.3	BOOTTOP-VERTICAL SIDES structure good, paint intact	GOOD
1.4	TOPSIDES same as above	GOOD
1.5	SACRIFICIAL ANODES / ICCP not seen, no problems reported	GOOD
1.6	ACCOMODATION / SUPERSTRUCTURE structure good, paint intact	GOOD
1.7	MAIN DECK very good appearance and structural condition	GOOD
1.8	DECK FITTINGS (Bitts/Bollards/Fairleads/Pedestals/etc..) structure good, lubrication good	GOOD
1.9	SEAVALVES AND SHELL PENETRATIONS no problems reported or seen	GOOD

2. VENTILATION AND AIR CONDITIONING SYSTEMS

		<u>condition</u>
2.1	AIR CONDITION UNITS no problems reported or seen	GOOD
2.2	ECR A/C UNIT no problems reported or seen	GOOD
2.3	E/R SUPPLY AND AXHAUST FANS/LOUVRES/VENT.TRUNKS no problems reported or seen, funnel flaps tested.	GOOD
2.4	FANS, EXTRACTION AND SUPPLY EXCEPT E/R no problems reported or seen	GOOD

3. SAFETY EQUIPMENT SYSTEMS

		<u>condition</u>
3.1	EMERGENCY FIRE PUMP tested succesfully	GOOD
3.2	FIXED CO2 SYSTEM (E/Rm & P/Rm) no problems reported or seen	GOOD
3.3	FIRE DETECTION, FIRE & GENERAL ALARMS no problems reported or seen	GOOD
3.4	PORTABLE FIRE EXTINGUISHERS no problems reported or seen	GOOD
3.5	EEBD, BA, RESUSCITATORS, FIREMAN'S OUTFITTS no problems reported or seen	GOOD
3.6	PORTABLE GAS DETECTORS no problems reported or seen	GOOD
3.7	LIFEBUOYS, LIFEJACKETS, LIFELINES, IMMERSION SUITS no problems reported or seen	GOOD
3.8	LIFEBOATS, DAVITS AND RELEASE GEAR no problems reported or seen	GOOD
3.9	INFLATABLE LIFERAFTS AND HYDROSTATIC RELEASES no problems reported or seen	GOOD
3.10	PYROTECHNICS no problems reported or seen	GOOD
3.11	WATERTIGHT DOORS no problems reported or seen	GOOD
3.12	E/R EMERGENCY REMOTE CONTROLS no problems reported or seen	GOOD
3.13	SAFETY DRILLS as per company's SMS	GOOD

4. CARGO SYSTEMS

		<u>condition</u>
4.1	CARGO PUMPS & CARGO LINES no operational problems reported or seen	GOOD
4.2	IGS SYSTEM AND PIPELINES no operational problems reported or seen	GOOD

5. HULL STRUCTURE, REPAIRS AND RENEWAL SYSTEMS

		<u>condition</u>
5.1	BOTTOM, SIDE, DECK, BOW, STERN, BILGE KEELS no structural problems reported or seen	GOOD
5.2	CHAIN LOCKERS no problems reported or seen	GOOD
5.3	W.T.BHDS / O.T. BHDS no problems reported or seen	GOOD
5.4	FW Tks, DW Tks, L.O.Tks, COFFERDAMS, VOID SPACES no problems reported or seen	GOOD
5.5	ULTRASONIC THICKNESS MEASUREMENTS REPORT available onboard (as per report of May 2015)	GOOD

6. DECK MACHINERY, EQUIPMENT AND LINES

		<u>condition</u>
6.1	ANCHOR WINDLASSES, MOORING WINCHES no problems reported or seen	GOOD
6.2	ANCHORS, CHAIN CABLES, SHACKLES. SWIVELS no problems reported or seen	GOOD
6.3	MOORING ROPES, WIRES, ROPE TAILS, TOW WIRES all mooring ropes and wires in good condition	GOOD
6.4	FIRE LINE, BUNKER LINE, AIR LINE, HYDRAULIC LINE, ETC. no problems reported or seen	GOOD
6.5	CRANES (HOSE HANDLING / PROVISIONS) no problems reported or seen	GOOD
6.6	ACCOMODATION/PILOT LADDERS AND WINCHES seen in good operation	GOOD

7. BALLAST SYSTEM

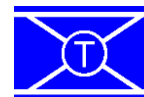
		<u>condition</u>
7.1	BALLAST PUMPS	GOOD
	no problems reported or seen	
7.2	BALLAST STRIPPING EDUCTOR	GOOD
	no problems reported or seen	
7.3	BALLAST LINES	GOOD
	no problems reported or seen	
7.4	WBT VALVES IN ERm/PRm	GOOD
	no problems reported or seen	
7.5	PORTABLE VENT.FANS	GOOD
	no problems reported or seen	
7.6	LOADING INSTRUMENT (CARGOMASTER)	GOOD
	no problems reported or seen	

8. PROPULSION SYSTEMS

		<u>condition</u>
8.1	MAIN ENGINE (HHM-MAN-B&W 6S60MC)	GOOD
	no problems reported, records kept and maintenance as per company's SMS and PMS	

9. TAILSHAFT, PROPELLER, STEERING SYSTEMS

		<u>condition</u>
9.1	PROPELLER	GOOD
	no problems reported or seen	
9.2	TAILSHAFT & STERN TUBE SEALS, INTERMEDIATE SHAFT	GOOD
	no problems reported or seen	
9.3	STEERING GEAR, RUDDER AND ARRESTING SYSTEM	GOOD
	no problems reported or seen	


 10. SEA WATER SYSTEMS

		<u>condition</u>
10.1	SEA CHESTS, FILTERS, PIPING	GOOD
	all sea chest filters cleaned oftenly	

 11. FEED WATER SYSTEMS

		<u>condition</u>
11.1	PUMPS. PIPING	GOOD
	no problems reported or seen	

 12. EVAPORATOR AND WATER DISTILLED SYSTEMS

		<u>condition</u>
12.1	F.W.GENERATOR, PUMPS, PIPING	GOOD
	no problems reported or seen	

 13. ENGINE COOLING SYSTEM

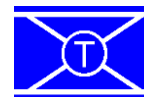
		<u>condition</u>
13.1	PUMPS, COOLERS, PIPING	GOOD
	no problems reported or seen	

 14. LUBRICATING OIL SYSTEM

		<u>condition</u>
14.1	PUMPS, PURIFIERS, HEATERS, PIPING	GOOD
	no problems reported or seen	

 15. IOPP EQUIPMENT

		<u>condition</u>
15.1	O.W.SEPARATOR / BILGE PUMP	GOOD
	no problems reported or seen	
15.2	INCINERATOR	GOOD
	no problems reported or seen	


16. COMPRESSED AIR SYSTEM

		<u>condition</u>
16.1	MAIN AIR COMPRESSOR (START AIR)	GOOD
	no problems reported or seen	
16.2	EMERGENCY AIR COMPRESSOR	GOOD
	no problems reported or seen	
16.3	DECK AIR COMPRESSOR	GOOD
	no problems reported or seen	
16.4	AIR CYLINDERS, AIR DRYER, PIPING	GOOD
	no problems reported or seen	

17. MACHINERY WORKSHOP, TOOLS AND SYSTEMS

		<u>condition</u>
17.1	UNIVERSAL, LATHE, GRINDERS, SAWS, BENDING, ETC...	GOOD
	no problems reported or seen	
17.2	WELDING EQUIPMENT, O2/AC, TIG	GOOD
	no problems reported or seen	
17.3	FUEL VALVE TEST PUMP	GOOD
	no problems reported or seen	
17.4	VALVE GRINDING MACHINE	GOOD
	no problems reported or seen	
17.5	E/R CRANE, HOIST AND MAINTENANCE EQUIPMENT	GOOD
	no problems reported or seen	

18. BOILERS AND STEAM SYSTEMS

		<u>condition</u>
18.1	AUX. BOILERS, LOCAL-POWER-CONTROL PANELS	GOOD
	no problems reported or seen	
18.2	COMPOSITE BOILER, LOCAL-CONTROL PANELS	GOOD
	no problems reported or seen	

19. DIESEL GENERATORS AND ELECTRICAL SYSTEMS

		<u>condition</u>
19.1	D/G ENGINES, ALTERNATORS	GOOD
	no problems reported or seen, records kept and maintenance as per company's SMS and PMS	
19.2	D/G T/C, AIR COOLERS, EXHAUST TRUNKING, SILENCER	GOOD
	no problems reported or seen	

20. SWITCHBOARDS, POWER & LIGHTING DISTRIBUTION SYSTEMS

		<u>condition</u>
20.1	MAIN SWITCHBOARD	GOOD
	no problems reported or seen	
20.2	AUXILIARY SWITCHBOARDS	GOOD
	no problems reported or seen	
20.3	EMERGENCY SWITCHBOARD	GOOD
	no problems reported or seen	
20.4	DISTRIBUTION PANELS	GOOD
	no problems reported or seen	
20.5	GROUP STARTER PANELS / MEGGER TEST	GOOD
	no problems reported or seen	
20.6	SHORE CONNECTION BOX	GOOD
	no problems reported or seen	
20.7	MACHINERY SPACE LIGHTING	GOOD
	no problems reported or seen	
20.8	ACCOMODATION, DECK SPACES LIGHTING	GOOD
	no problems reported or seen	
20.9	NAVIGATION LIGHTING SYSTEM AND INDICATORS	GOOD
	no problems reported or seen	
20.10	EMERGENCY BATTERIES AND CHARGER	GOOD
	no problems reported or seen	

21. NAVIGATION , RADIO AND COMMUNICATION SYSTEMS

		<u>condition</u>
21.1	GYRO & MAGNETIC COMPASSES	GOOD
	no problems reported or seen	
21.2	RADARS INCLUDING ARPA	GOOD
	no problems reported or seen	
21.3	GPS, ECHO SOUNDER, SPEEDLOG	GOOD
	no problems reported or seen	
21.4	AIS, ECDIS, VDR, SSAS	GOOD
	no problems reported or seen	
21.5	SSB, MAIN & AUX. TRANSMITTERS/RECEIVERS	GOOD
	no problems reported or seen	
21.6	EPIRB, RADAR TRANSPONDERS	GOOD
	no problems reported or seen	
21.7	VHF, WALKIE-TALKIES	GOOD
	no problems reported or seen	
21.8	SATCOM F77, MINI-M, TLX C, GMDSS, FBB	GOOD
	no problems reported or seen	
21.9	RADIO, TV AND VIDEO DVD UNITS	GOOD
	no problems reported or seen	
21.10	BATTERIES FOR GMDSS	GOOD
	no problems reported or seen	
21.11	PHOTOCOPIERS	GOOD
	no problems reported or seen	

22. ACCOMODATION SYSTEMS

		<u>condition</u>
22.1	INTERNAL SPACES, ALLEWAYS, WC, FLOORING, PANELS clean and tidy	GOOD
22.2	EMERGENCY FIRE PUMP SPACE clean and tidy	GOOD
22.3	STEERING GEAR ROOM clean and tidy	GOOD
22.4	SHIP'S OFFICE clean and tidy	GOOD
22.5	ECR, CCR clean and tidy, no problems reported or seen	GOOD
22.6	WHEEL HOUSE SPACE, RADIO ROOM clean and tidy	GOOD
22.7	GALLEY, EQUIPMENT AND SPACE, PROVISIONS STORES clean and tidy	GOOD
22.8	LAUNTRY EQUIPMENT, WASHERS, DRYERS, IRONS clean and tidy, no problems reported or seen	GOOD
22.9	FRESH WATER SYSTEM, VACUUM SYSTEM no problems reported or seen	GOOD
22.10	REFRIGERATING PLANT, COMPRESSORS, CONDENSORS no problems reported or seen	GOOD

G. SPARE GEAR

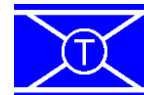
	qty
CYLINDER COVERS	1
M/E CYLINDER LINER	1
M/E PISTON COMPLETE	1
EXHAUST VALVE STEMS	3
M/E HP F.O.PUMP COMPLETE	3
SET OF CAMSHAFT GEARS	1
SET THRUST PADS	1
M/E MAIN BEARING	1
BOTTOM END BEARING	1
CROSS HEAD BEARING	1

H. OFFICERS AND CREW

All officers and crew are experienced and very familiar with tanker operations. However continuous training and familiarization with company's standards and requirements is recommended, especially on these type of ships.

I. LIST OF DEFICIENCIES / PENDING ITEMS

No.	Description	Due date	In Charge
1	PMS as per company's ISM to be updated.	Jan'16	Master / Ch.Engineer
2	Explosion proof lights in Pump Room to be thoroughly checked for hairy cracks and airtightness	Feb'16	Master / Ch.Officer

**J. CIRCULATION OF THIS INSPECTION REPORT**

Name	Title/Position
P.Koutsoukos	Technical Manager / Managing Director
Capt.Th.Tsanakas	Operations Manager
E.Paraskevopoulos	Tech.Superintendent
A.Drossos	Crew manager
M/T PGC MARINA	Master & Ch.Engineer

edited by : K.SAKKAS

date: 12/22/2015

K. ATTACHEMENTS / APPENDICES

Photos Index

Random selection / representative photos taken onboard during the inspection





