

Vessel : **M/V PGC STRIDENT FORCE**

Place of inspection: Targa Terminal, Houston, TX, USA

Date of inspection: 31 March 2016

Inspected by : E.Paraskevopoulos
Tech.Superintendent

Distribution to : PARADISE NAVIGATION SA
Tech.Manager
Operations Manager
Safety Manager / DPA

M/V PGC STRIDENT
FORCE

Master
Ch.Engineer

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A.
GENERAL DESCRIPTION

(all dimensions/weights metric)

SHIP'S NAME	PGC STRIDENT FORCE (ex Newmarket-1)
OWNER	STRIDENT FORCE MARITIME LTD
CALL SIGN	C6QO8
FLAG	BAHAMAS
PORT OF REGISTRY	NASSAU
OFFICIAL NUMBER	732219
DATE OF BUILD	JUNE 1999
PLACE OF BUILD	HIGAKI SHIPBUILDING / JAPAN
HULL NUMBER	506
KIND AND TYPE OF VESSEL	LPG CARRIER
CLASSIFICATION SOCIETY	NIPPON KAIJI KYOKAI
CLASSIFICATION NOTATION	NS (Tanker, Liq.Gasses - Max Pres 0.69MPa - Min.Temp -48oC, Type 2G), MNS, CHG, MPP, LSA, RCF. AFS
CLASSIFICATION NUMBER	991514
IMO NUMBER	9205574
SUMMER DEADWEIGHT	8485.4
SUMMER DRAFT	7.55
LIGHT SHIP WEIGHT	3892.6
L.O.A.	117.09
L.B.P.	109.02
BREADTH (MLD)	19.6
DEPTH (MLD)	9.75
G.R.T.	6560
N.R.T.	5566
PROPULSION MACHINERY	AKASAKA DIESEL - C447
	MCR 7200PS @ 158 RPM
ELECTRIC POWER	3 x 660PS @ 1200 RPM

B. LIST OF STATUTORY CERTIFICATES

	issue date	expiry date
REGISTRY	3/13/2014	N/A
SAFE MANNING	3/13/2014	3/12/2019
RADIO STATION LICENCE	4/10/2014	N/A
LOAD LINE	7/14/2014	6/22/2019
SAFETY CONSTRUCTION	7/14/2014	6/22/2019
SAFETY EQUIPMENT	7/14/2014	6/22/2019
SAFETY RADIO	7/14/2014	6/22/2019
IOPP	8/27/2015	6/22/2019
IAPP	7/14/2014	6/22/2019
ISPP	7/14/2014	6/22/2019
DERATTING EXEMPTION	3/8/2016	9/8/2016
CARGO GEAR ANNUAL SURVEY	1/29/2016	1/29/2017
SAFETY MANAGEMENT CERT-SMC	7/27/2014	7/27/2019
DOCUMENT OF COMPLIANCE - D.O.C.	3/17/2014	4/28/2018

C. CLASSIFICATION SURVEYS

ANNUAL HULL	6/29/2015	6/22/2016
MACHINERY	6/29/2015	6/22/2016
LAST SPECIAL SURVEY	6/18/2014	6/22/2019
LAST DRYDOCKING	6/18/2014	6/17/2017
LAST TAILSHAFT	6/18/2014	6/17/2019

D. ESSENTIAL DOCUMENTS/MANUALS ONBOARD

	YES/NO
LOADING MANUAL	YES
P&A 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
SMPEP	YES
SHIP SECURITY PLAM	YES
STS AND ETA MANUALS	YES
SEEMP MANUAL	YES
BIOFOULING MANAGEMENT PLAN	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 extend as not to essentially affect original strength and/or efficiency.

SERVICEABLE Condition just below average. Condition of wear and tear of such an extend 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 coul not be ascertained, and further invespection in 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	GOOD
not seen, no structural issues noted or reported	
1.2 LOW VERTICAL BOTTOM	GOOD
not seen, no structural issues noted or reported	
1.3 BOOTTOP-VERTICAL SIDES	GOOD
not seen, no structural issues noted or reported	
1.4 TOPSIDES	GOOD
good structural and coating condition	
1.5 SACRIFICIAL ANODES / ICCP	GOOD
not seen, ICCP working good.	
1.6 ACCOMODATION / SUPERSTRUCTURE	GOOD
good structural condition, cosmetics to improve	
1.7 MAIN DECK	GOOD
good appearance and structural condition except the CoC	
1.8 DECK FITTINGS (Bitts/Bollards/Fairleads/Pedestals/etc..)	GOOD
structure good, lubrication good	
1.9 SEAVALVES AND SHELL PENETRATIONS	GOOD
no problems reported or seen	

2. VENTILATION AND AIR CONDITIONING SYSTEMS

	<u>condition</u>
2.1 AIR CONDITION UNITS	GOOD
working satisfactory	
2.2 ECR A/C UNIT	GOOD
working satisfactory	
2.3 E/R SUPPLY AND EXHAUST FANS/LOUVRES/VENT.TRUNKS	GOOD
no problems reported or seen, cosmetics to be improved	
2.4 FANS, EXTRACTION AND SUPPLY EXCEPT E/R	GOOD
no problems reported or seen	

3. SAFETY EQUIPMENT SYSTEMS

	<u>condition</u>
3.1 EMERGENCY FIRE PUMP tested successfully	GOOD
3.2 FIXED CO2 SYSTEM (E/Rm & P/Rm) no problems reported or seen	GOOD
3.3 FIRE DETECTION, FIRE & GENERAL ALARMS tested successfully	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 tested successfully	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 in good structural and cosmetic condition	GOOD
3.12 E/R EMERGENCY REMOTE CONTROLS no problems reported or seen	GOOD
3.13 SAFETY DRILLS satisfactory as per company's SMS	GOOD

4. CARGO SYSTEMS

	<u>condition</u>
4.1 CARGO DEEPWELL PUMPS & CARGO LINES no problems reported or seen	GOOD
4.2 N2 SYSTEM AND PIPELINES no 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 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 file onboard as per Special Survey No3 requirements	GOOD

6. DECK MACHINERY, EQUIPMENT AND LINES

	<u>condition</u>
6.1 ANCHOR WINDLASSES, MOORING WINCHES all tested satisfactory	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 inspected and found in satisfactory 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) tested, no problems reported or seen	GOOD
6.6 ACCOMODATION/PILOT LADDERS AND WINCHES tested, no problems reported or seen	GOOD

7. BALLAST
SYSTEM

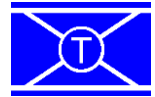
	<u>condition</u>
7.1 BALLAST PUMPS tested, no problems reported or seen	GOOD
7.2 BALLAST STRIPPING EDUCTOR tested, no problems reported or seen	GOOD
7.3 BALLAST LINES no problems reported or seen	GOOD
7.4 WBT VALVES IN ERm/PRm tested, no problems reported or seen	GOOD
7.5 PORTABLE VENT.FANS no problems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

8. PROPULSION SYSTEMS

	<u>condition</u>
8.1 MAIN ENGINE (AKASAKA - 6UEC45LA) maintenance scheme as per PMS in progress	GOOD

9. TAILSHAFT, PROPELLER, STEERING SYSTEMS

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



10. SEA WATER SYSTEMS

10.1 SEA CHESTS, FILTERS, PIPING

no problems reported or seen

condition
GOOD

11. FEED WATER SYSTEMS

11.1 PUMPS, PIPING

generally in good condition

condition
GOOD

12. EVAPORATOR AND WATER DISTILLED SYSTEMS

12.1 F.W.GENERATOR, PUMPS, PIPING

tested, no problems reported or seen

condition
GOOD

13. ENGINE COOLING
SYSTEM

13.1 PUMPS, COOLERS, PIPING

tested, no problems reported or seen

condition
GOOD

14. LUBRICATING OIL SYSTEM

14.1 PUMPS, PURIFIERS, HEATERS, PIPING

tested, no problems reported or seen

condition
GOOD

15. IOPP
EQUIPMENT

15.1 O.W.SEPARATOR / BILGE PUMP & ALARM

both tested with satisfactory results

condition
GOOD

16. COMPRESSED AIR SYSTEM

	<u>condition</u>
16.1 MAIN AIR COMPRESSOR no problems reported or seen	GOOD
16.2 EMERGENCY AIR COMPRESSOR hand operated compressor tested	GOOD
16.3 DECK AIR COMPRESSOR N/A	
16.4 AIR CYLINDERS, AIR DRYER, PIPING no problems reported or seen	GOOD

17. MACHINERY WORKSHOP, TOOLS AND SYSTEMS

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

18. BOILERS AND STEAM SYSTEMS

	<u>condition</u>
18.1 AUX BOILER, LOCAL-POWER-CONTROL PANELS alarms & trips tested successfully.	SATISFACTORY
18.2 ECONOMISER no problem reported or seen	GOOD

19. DIESEL GENERATORS AND ELECTRICAL SYSTEMS

		<u>condition</u>
19.1	D/G ENGINES, ALTERNATORS	GOOD

DG engines tested with satisfactory results, various maintenance jobs carried out as per company's SMS and PMS

		GOOD
19.2	D/G T/C, AIR COOLERS, EXHAUST TRUNKING, SILENCER	

no problems reported or seen

20. SWITCHBOARDS, POWER & LIGHTING DISTRIBUTION SYSTEMS

		<u>condition</u>
20.1	MAIN SWITCHBOARD	GOOD

tested satisfactory

		GOOD
20.2	AUXILIARY SWITCHBOARDS	

tested satisfactory

		GOOD
20.3	EMERGENCY SWITCHBOARD	

tested satisfactory

		GOOD
20.4	DISTRIBUTION PANELS	

all tested, no problems reported or seen

		GOOD
20.5	GROUP STARTER PANELS / MEGGER TEST	

tested, no problems reported or seen

		GOOD
20.6	SHORE CONNECTION BOX	

no problems reported or seen

		GOOD
20.7	MACHINERY SPACE LIGHTING	

inspected with satisfactory results, lights to renew at bosun store

		GOOD
20.8	ACCOMODATION, DECK SPACES LIGHTING	

inspected with satisfactory results

		GOOD
20.9	NAVIGATION LIGHTING SYSTEM AND INDICATORS	

inspected with satisfactory results

		GOOD
20.10	EMERGENCY BATTERIES AND CHARGER	

batteries tested with satisfactory results

21. NAVIGATION , RADIO AND COMMUNICATION SYSTEMS

	<u>condition</u>
21.1 GYRO & MAGNETIC COMPASSES gyrosphere renewed this time, all compases onboard in good condition.	GOOD
21.2 RADARS INCLUDING ARPA no problems reported or seen	GOOD
21.3 GPS, ECHO SOUNDER, SPEEDLOG no problems reported or seen, speedlog issue awaiting readiness of spare parts	SATISFACTO RY
21.4 AIS, VDR, SSAS no problems reported or seen	GOOD
21.5 SSB, MAIN & AUX.TRANSMITTERS/RECEIVERS no problems reported or seen	GOOD
21.6 EPIRB, RADAR TRANSPONDERS no problems reported or seen, annual survey carried out	GOOD
21.7 VHF, WALKIE-TALKIES tested, no problems reported or seen	GOOD
21.8 SATCOM F77, MINI-M, TLX C, GMDSS, FBB no problems reported or seen	GOOD
21.9 RADIO, TV AND VIDEO DVD UNITS no problems reported or seen	GOOD
21.10 BATTERIES FOR GMDSS tested with satisfactory results	GOOD
21.11 PCs & PHOTOCOPIERS no problems reported or seen	GOOD

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

23. CARGO SYSTEM

	<u>condition</u>
22.1 DEEPWELL PUMPS (SVANEHOJ) no problems reported or seen	GOOD
22.2 CARGO COMPRESSORS (SULZER-BURCKHARDT) no problems reported or seen	GOOD
22.3 CARGO CONDENSERS no problems reported or seen, one cover on No1 to renew.	GOOD
22.4 CARGO TANKS DOMES MONITORING INSTRUMENTS all in good working condition	GOOD
22.5 REMOTE MONITORING INSTRUMENTS (CCR) all in good working condition, tank level remote indicator repaired.	GOOD
22.6 CARGO PIPING ON DECK / MANIFOLDS no problems reported or seen, normal coating maintenance to be carried out	GOOD
22.7 CARGO BOOSTER PUMP (SVANEHOJ) no problems reported or seen	GOOD
22.9 NITROGEN PRODUCTION SYSTEM (UNITOR) no problems reported or seen	GOOD

G. SPARE GEAR

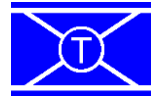
	qty
CYLINDER COVERS	1
M/E CYLINDER LINER	1
M/E PISTON COMPLETE	1
EXHAUST VALVE STEMS	3
M/E HP F.O.PUMP COMPLETE	2
M/E MAIN BEARING	1 set
BOTTOM END BEARING	1 set
INTERMEDIATE SHAFT BEARING	1 set

H. OFFICERS AND CREW

All officers and crew are experienced and familiar with lpg 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	SPPEDLOG MALFUNCTION TO BE OBSERVED, AWAITING READINESS OF SPARE PARTS INORDER TO COMPLETE THE REPAIRS.	May'16	Master
2	TECH.FORM TECH/241 ICCP & ANTIFOULING LOG SHEET TO BE PROPERLY COMPLETED FOR ICCP, NOT FOR MGPS (N/A).	May'16	Ch.Engineer
3	FWD SUEZ SEARCH LIGHT SWITCH KNOB TO REPAIR.	May'16	Master
4	CONSIDER USING PRI-27 AS ADDITIONAL & PRECAUTION TREATMENT FOR HFO BURNT ONBOARD.	May'16	Ch.Engineer
5	FUNNEL TO BE DEGREASED AND PAINTED.	June'16	Master

**J. CIRCULATION OF THIS INSPECTION REPORT**

Name	Title/Position
P.Koutsoukos	Technical Manager
Capt.Th.Tsanakas	Operations Manager
K.Sakkas	Safety Manager / DPA
A.Drossos	Crew Manager
M/V PGC STRIDENT FORCE	Master & Ch.Engineer

edited by : E.PARASKEVOPOULOS

date: 4/8/2016

K. ATTACHEMENTS / APPENDICES

Photos Index

Random selection / representative photos taken onboard during the inspection



