

Tested

19 DEC 1958

Rpt. 9

Date of writing report 5th Dec: 1958

Received London

Port FALMOUTH

No. 13406

Survey held at Falmouth Docks

No. of visits 6

First date 20 Nov: 1958

Last date 3 Dec: 1958

# REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 61024 S.S. Name ~~M.V.X~~ "FORT FREDERICA" Gross tons 10,684 Date of build 1945  
 Owners BP Tanker Co. Ltd. Managers - Port of Registry London  
 Engines made 1945 By General Electric Co. Type Stm. turbine con. to elec. motor & screw shaft  
 No. of Main Engines 1 No. of Screws 1  
 No. of Main Boilers 2 W.P. 220 lbs:  
 No. of Aux./Donkey Boilers - W.P. -  
 Surveyed Afloat or in Dry Dock Drydock  
 Nature of Survey MBS, TS & part CS  
 Was Damage Report issued? No Int. Cert.? Yes  
 Last Report (For Head Office only)

Hull	Machinery
100 A1	LMC-CS 9,56
10,57	MBS 11,57
ss. Sh1 (DR) 9,56	TS (CL) 10,57
	SPS 9,56

The condition of any of the following items is to be described as "good" only when the part has been examined, found or placed in good condition, and is considered to be acceptable until the due date of the next Periodical Examination. Where it is considered that re-examination or repairs should be effected before the due date of the next Periodical Examination a distinguishing mark thus † should be inserted against the item and the circumstances and action recommended described fully under "defects and repairs". At part or complete Special Surveys those items which are not applicable to the ship should be cancelled with a black line; this need not be done when the machinery is on a continuous survey basis. When any part has been subjected to pressure test this should be stated. Engine parts when referred to by numbers should be counted from forward.

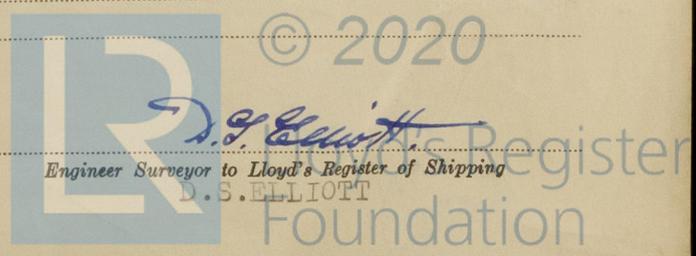
If so, is the Report sent now, or when will it be sent?

- DOCKING Propellers good Wear Down of Stern Bushes close fit OH Glands Sea Connections
- Fastenings good Has Screwshaft ~~TURBO~~ been drawn? yes, good Date of Examination 24 Nov: '58 Has Shaft been changed? yes
- Has Shaft now fitted been previously used? no Has Shaft now examined after a continuous liner? yes, good Approved oil gland?
- MAIN ENGINES (Recip. Steam or ICE) Turbo-Electric PORT STARBOARD
- 1 Cyls., Covers, Pistons & Rods
- 2 Valves & Gears
- 3 Connecting Rods, Top Ends & Guides Side Centre
- 4 Crankpins & Bearings Side Centre
- 5 Journals & Bearings
- MAIN ENGINE DRIVEN AIR COMPRESSORS
- 6 Cyls., Covers, Pistons & Rods
- 7 Connecting Rods & Top Ends
- 8 Crankpins & Bearings
- 9 Journals & Bearings
- 10 Coolers & Safety Devices
- MAIN ENGINE DRIVEN SCAVENGE PUMPS
- 11 Cyls., Covers, Pistons & Rods
- 12 Connecting Rods & Top Ends
- 13 Crankpins & Bearings
- 14 Journals & Bearings
- 15 Levers
- 16 SCAVENGE BLOWERS
- 17 SUPERCHARGERS
- MAIN TURBINES
- 18 Casings, Rotors, Blading, Bearings & Thrusts
- 19 EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)
- 20 STEAM COMPRESSORS
- 21 CLUTCHES & HYDRAULIC COUPLINGS
- 22 REDUCTION GEARING
- 23 THRUST BLOCKS, SHAFTS & BEARINGS
- 24 INTERMEDIATE SHAFTS & BEARINGS good
- 25 HOLDING DOWN BOLTS & CHOCKS
- 26 CONDENSERS (MAIN & AUX.)
- 27 STEAM RE-HEATERS
- 28 DR-SUPERHEATERS
- 29 STOP & MANOEUVRING VALVES
- 30 MAIN ENGINE DRIVEN PUMPS
- 31 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES Have Main Engines been tested working and manoeuvring?

OPINION OF MACHINERY AND RECOMMENDATIONS The machinery of this vessel as now seen is in good condition, eligible in my opinion to remain as classed with fresh record of MBS 11,58 TS.N (CL) 11,58 and CS (with date) when the survey is completed.

Date of Committee WEDNESDAY 14 JAN 1959  
 Decision MBS 12 58  
 TS (N) 12 58

Noted for Header



003038-003045-0131(112)

If certificate is required state where to be sent.

s.s. "FORT FREDERICA"

ELECTRICAL: Main alternator, rotor and stator windings cleaned, rotor slip rings machined, new pedestal bearing shell fitted.

Starboard aux generator reconditioned D.C. armature fitted.

P&S Forced draught fan motors - motors overhauled, slip rings skimmed and new bearings fitted.

Main circulating motor owners spare motor fitted.

X. G. Elliot

32 Essential Independent Pumps (Identify by position) .....

33 Bilge, Ballast & Oil Fuel Suction Lines, Fittings & Controls .....

34 Have the remaining Piping Arrangements & Fittings in the machinery space been examined as considered necessary? .....

35 Fresh Water Coolers ..... 36 Lub. Oil Coolers ..... 37 Heaters (state service) HP feed - good

38 Independent Air Compressors, Coolers & Safety Devices .....

39 Air Receivers & Safety devices—Main ..... 40 Auxiliary .....

41 Oil Fuel Tanks (Not forming part of hull structure) .....

42 Evaporators ..... 43 Have Evaporator Safety Valves been tested under steam? .....

44 Steering Machinery ..... 45 Windlass ..... 46 Fire Extinguishing Arrangements Good

AUXILIARY ENGINES (Identify by position).....  
Port turbo alternator - good

PROPULSION		ELECTRICAL EQUIPMENT		AUXILIARY EQUIPMENT	
PORT	STARBOARD				
Generator good		Generators & Governors	port & starbd:	-	good
Exciters		Motors	P&S forced draught fans - good		
Air Coolers		Main circulating motor	- good		
Motors & blowers - good		Switchboards & Fittings			
Air Coolers		Circuit Breakers			
Control Gear, Cables, etc.		Cables			
Insulation Resistance		Insulation Resistance	99.9		
Insulating Oil Test		Steering Gear Generators and Motors			
Overspeed Governors		Navigation Light Indicators			
Magnetic Couplings					
Air Gap					

BOILERS OPENED UP & EXAMINED (Identify by position and state latest date of internal examination of each boiler)

MAIN P&S - both good, examined internally 24/11/58. AUXILIARY, DONKEY or PRESS

Superheaters & de-superheaters good

Safety Valves good

Mountings, Doors & Fastenings good

Safety Valves Adjusted to Sat. 500 lbs: per sq" Spt. 473 lbs: per sq"

Boiler Securing Arrangements good

Main Economisers Exhaust Gas Heated Economisers

Steam Heated Steam Generators Steam Generator Safety Valves Adjusted to

Were Oil Burning System & Remote Controls examined working in accordance with Rules? VER. GOOD Forced Circulating Pumps

Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules? Funnel Efficient

EXAMINATION & TESTING OF STEAM PIPES (State material)

Main Auxiliary (over 3 in. bore)

Were Copper Pipes annealed? Have Saturated Pipes in cylindrical boiler smoke boxes been tested?

PARTICULARS OF DEFECTS & REPAIRS, ETC. (Damage repairs should be detailed separate from wear and tear repairs; state what action has been taken regarding items which are subjects of class)

WEAR & TEAR REPAIRS:-

P&S Main boilers examined throughout:- top banks of air heater tubes P&S renewed, starboard boiler 18 superheater tubes, 12 - 1 1/2" tubes and 8 - 2" tubes all renewed for access to the renewal of the soot blower hangers. On completion of repairs, boiler hydraulically tested and tight.

Tailshaft examined and crack found to radiate from the top (ps) corner of the key-way; new replacement tailshaft efficiently fitted and stern tube rewooded and machined to suit. New replacement tailshaft marked thus:-

LLOYDS, SLD. No. 2981. A.G. 13.4.55

Propeller examined, blades thin and eroded badly on leading edges, new replacement 4 bladed, bronze propeller efficiently fitted, marked and found in order.

New propeller marked thus:-

LLOYDS A.F. 26.2.58, RIH 4614,

M.B. & B Co., Birkenhead, Dia. 19.5', Pitch 17.32' @ 6' 1 1/8" R. Surface 146.4

15T - 11c-3g-OL.

Port turbo alternator, turbine blading roots pitted and shrouding broken reconditioned turbine rotor, (Swan, Hunter) & Co.) efficiently fitted.

LEAVE THIS SPACE BLANK

Survey fees	MBS	£28:0:0
	TS	£7:0:0
	CS	£5:0:0
	Elect:	£5:0:0
Damage fee		
Late Fee		£4:4:0
Expenses...		5:0

Date when A/c rendered 15 December, 1958

