

Rpt. 9

Date of writing report 5th Dec: 1958

Survey held at Falmouth Docks

Received London

No. of visits 6

Port FALMOUTH

No. 13406

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 **"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)

Records of Survey & Special Notations as per Register Book

Hull	Machinery
100 A1	LMC-CS 9,56
10,57	MBS 11,57
ss. Shl (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.

DOCKING Propellers good Wear Down of Stern Bushes close fit OH Glands Sea Connections
Fastenings good Has Screwshaft Tube 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 on 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

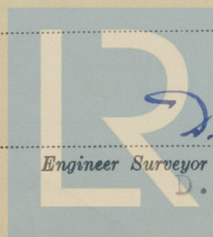
WEDNESDAY 14 JAN 1959

Decision

MBS 12,58
TS (N) 12,58

40m, 4,57. T. (MADE AND PRINTED IN ENGLAND.)

Noted for Header



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Engineer Surveyor to Lloyd's Register of Shipping

D.S. ELLIOTT

Foundation

003038-003045-0131(112)

If certificate is required state where to be sent

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				
a Generator..... good				1 Generators & Governors.....	port & starbd: - good
b Exciters.....				m Motors.....	P&S forced draught fans - good
c Air Coolers.....				n Main circulating motor - good	
d Motors & blowers - good				o Switchboards & Fittings.....	
e Air Coolers.....				p Circuit Breakers.....	
f Control Gear, Cables, etc.....				q Cables.....	
g Insulation Resistance.....				r Insulation Resistance.....	Good
h Insulating Oil Test.....				s Steering Gear Generators and Motors.....	
i Overspeed Governors.....				t Navigation Light Indicators.....	
j Magnetic Couplings.....					
k 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?..... yes, 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 1/2" 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.

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

Rpt. 9a

Port of FALMOUTH

Continuation of Report No. 13406 dated 5th Dec: 1958

on the

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. Elliott.