

15 FEB 1960

Rpt. 9

Date of writing report 10/2/60

Received London

Port AUCKLAND, N.Z.

No. 8902

Survey held at Auckland

No. of visits 6

First date 28/1/60

Last date 10/2/60

# REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 26208 Name M.V. "PORT FREMANTLE" Gross tons 8564 Date of build 1927 4

Owners Port Line Ltd. Managers Port of Registry London

Engines made 1927 4 By Wm. Doxford & Sons Ltd. Type 2SA 4Cy.

No. of Main Engines 2 No. of Screws 2

No. of Main Boilers W.P.

No. of ~~W.P.~~/Donkey Boilers 1db W.P. 100lb.

Surveyed Afloat or in Dry Dock Afloat

Nature of Survey Damage

Was Damage Report issued? Yes Int. Cert.? Yes

Last Report (For Head Office only)

8428 - WLn

Records of Survey & Special Notations as per Register Book

Hull		Machinery	
+100A1 with frbd.	4/59	+IMC CS	12/56
SS	12/56	d	4/59
(Dr)	3/52	CLp&s	10/56

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.

Has a Survey also been held on Ship? If so, is the Report sent now, or when will it be sent?

DOCKING Propellers Wear Down of Stern Bushes Oil Glands Sea Connections

Fastenings Has Screwshaft Tubeshaft been drawn? Date of Examination Has Shaft been changed?

Has Shaft now fitted been previously used? Has Shaft now examined/fitted a continuous liner? Approved oil gland?

MAIN ENGINES (Recip. Steam or I.C.) 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

25 HOLDING DOWN BOLTS & CHOCKS

26 CONDENSERS (MAIN & AUX.)

27 STEAM RE-HEATERS

28 DE-SUPERHEATERS

29 STOP & MANCEUVRING VALVES

30 MAIN ENGINE DRIVEN PUMPS

31 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES Have Main Engines been tested working and manceuvring?

OPINION OF MACHINERY AND RECOMMENDATIONS The machinery of this ship so far as now seen is in good condition and eligible in my opinion to be continued as now classed without fresh record of survey and without Condition regarding the Port forward generator engine crankshaft.

Date of Committee TUESDAY - 1 MAR 1960

Decision As now without special

Noted for Header

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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) .....

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 .....

**AUXILIARY ENGINES** (Identify by position) .....

PROPULSION	ELECTRICAL EQUIPMENT		AUXILIARY EQUIPMENT
	PORT	STARBOARD	
a Generators .....			l Generators & Governors .....
b Exciters .....			m Motors .....
c Air Coolers .....			n Switchboards & Fittings .....
d Motors .....			o Circuit Breakers .....
e Air Coolers .....			p Cables .....
f Control Gear, Cables, etc. ....			q Insulation Resistance .....
g Insulation Resistance .....			r Steering Gear Generators and Motors .....
h Insulating Oil Test .....			s Navigation Light Indicators .....
i Overspeed Governors .....			
j Magnetic Couplings .....			
k Air Gap .....			

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

**MAIN** ..... **AUXILIARY, DONKEY or PRESS** .....

Superheaters .....

Safety Valves .....

Mountings, Doors & Fastenings .....

Safety Valves Adjusted to { Sat. ....  
Spt. ....

Boiler Securing Arrangements .....

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? ..... Forced Circulating Pumps .....

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

**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)

**DAMAGE:** Stated to have occurred on the 23rd January 1960 at New Plymouth, N.Z., due to fractured Port forward generator engine crankshaft.

FOUND	RECOMMENDED
Port forward generator engine crankshaft fractured in way of No 3 crank, forward web from free end.	That the engine be stripped down and the fractured crankshaft removed. That all main bearings including the after pedestal bearings be re-metalled and machined. That all main bearing bolts be renewed. That all bottom end bearings be re-metalled and machined. That a re-conditioned crankshaft stamped; "Lloyd's Test 522, J.P. Lloyd's 7582, 31/5/26 W.No 42901. LR. 17/9/26 " be fitted, satisfactorily bedded in and lined up. That all holding down bolts and chocks be tested and found satisfactory. That the coupling bolts be renewed in Lloyd's tested steel. That on completion of repairs the engine be tested under working conditions.
	The above recommended repairs have now been satisfactorily carried out.

LEAVE THIS SPACE BLANK

Damage fee ... £45 - -  
Expenses... ... 1 4 -  
Date when A/c rendered 10/2/60

