

Rpt. 9

30 APR 1956

Date of writing report 25th April. 1956
Survey held at Middlesbrough.Received London
No. of visits 10.Port MIDDLESBROUGH. No. 20705.
First date 22nd Feb. Last date 16th April. 1956

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 13319. Name ^{S.S.} ~~NEW~~ "HOLMSIDE". Gross tons 2852. Date of build 7-1941
 Owners Burnett S.S Co.Ltd. Managers
 Engines made Hpl. By Cen. Mar. Eng. Wks. Port of Registry Newcastle.
 Type T.3 Cy.
 No. of Main Engines 1. No. of Screws 21. lbs.
 No. of Main Boilers 2SB. W.P. 200lbs.
 No. of Aux./Donkey Boilers - W.P. -
 Surveyed Afloat or in Dry Dock Afloat & Drydock
 Nature of Survey B.S. O.F. Con. Mch. Rpts.
 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 3.55	+LMC 4.53
ss Sld 4.53.	B.S 3.55
	TS(CI) 3.55 N

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 cancelled from forward.

DOCKING Propellers Good West Down of Stern Bushes No. Oil Glands Sea Connections Good.

Fastenings Good Has Screwshaft/Tubeshaft been drawn? No. Date of Examination Has Shaft been changed?
 Has Shaft now fitted been previously used? Has Shaft now examined/fitted a continuous line? Approved off 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

1 Cyls. Covers, Pistons & Rods
 2 Connecting Rods & Top Ends
 3 Crankpins & Bearings
 4 Journals & Bearings
 5 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

SCAVENGE BLOWERS

17 SUPERCHARGERS

MAIN TURBINES

18 Casings, Rotors, Blading, Bearings & Thrusts

EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)

19 STEAM COMPRESSORS

20 CLUTCHES & HYDRAULIC COUPLINGS

21 REDUCTION GEARING

22 THRUST BLOCKS, SHAFTS & BEARINGS

23 INTERMEDIATE SHAFTS & BEARINGS

24 HOLDING DOWN BOLTS & CHOCKS

25 CONDENSERS (MAIN & AUX.)

26 STEAM RE-HEATERS

27 DE-SUPERHEATERS

28 STOP & MANOEUVRING VALVES

29 MAIN ENGINE DRIVEN PUMPS

30 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES

Have Main Engines been tested working and manoeuvring? Yes
 OPINION OF MACHINERY AND RECOMMENDATIONS The machinery of this vessel so far as now seen is in good order and eligible in my opinion to remain as classed with fresh record of Boilers 4/56 now and a notation of O.F.4/56 in the Register Book subject to the main circulating pump shaft being specially examined at next Special Survey

Date of Committee TUESDAY 29 MAY 1956

Decision AS per Subject BS 4/56

On 5.54. T.

Fitted for oil fuel 4.56 F.P.
 above 1500F.

Engineer Surveyor to Lloyd's Register of Shipping



Lloyd's Register
 Foundation

009789-009795-0135 1/2

If certificate is required state where to be sent

30 APR 1956

Port of MIDDLESBROUGH.

Continuation of Report No. 20705. dated 25th April. 1956 on the

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 Oil Fuel Tanks (Not forming part of hull structure) 41 Have Evaporator Safety Valves been tested under steam?

42 Evaporators 43 Windlass 44 Fire Extinguishing Arrangements

45 Steering Machinery 46 Windlass

AUXILIARY ENGINES (Identify by position)

ELECTRICAL EQUIPMENT		AUXILIARY EQUIPMENT
PROPULSION	PORT	
a Generators		1 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 P & S 22.2.56.

Superheaters Good
 Safety Valves Good
 Mountings, Doors & Fastenings Good
 Safety Valves Adjusted to Sat. 200lbs/sq.inch
 Sat. Good

Boiler Securing Arrangements Exhaust Gas Heated Economisers

Main Economisers Steam Generator Safety Valves Adjusted to Yes
 Steam Heated Steam Generators Forced Circulating Pumps None Good
 Were Oil Burning System & Remote Controls examined working in accordance with Rules?
 Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules?

EXAMINATION & TESTING OF STEAM PIPES (State material)

Main Auxiliary (over 3 in. bore)
 Have Saturated Pipes in cylindrical boiler smoke boxes been tested?
 Were Copper Pipes annealed?

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)

Boiler Repairs:- Starboard boiler - Several plain tubes expanded. Minor caulking of combustion chamber seams. Several furnace mouth rivets caulked.

Machinery Repair:- Ballast injection valve, found pitted (fabricated valve) New valve fabricated, tested and fitted.
 Main circulating pump water end - fitting strips renewed and shaft built up in way of wear with bronze spraying. It is considered that this shaft should be specially examined after one years service i.e at the time of Special Survey.

Conversion to oil fuel:- At this time an installation for burning oil as fuel flash point above 150° F was satisfactorily installed in accordance with Rule requirements, the Secretary's letters and plans approved 27.3.56.

This installation comprising a duplex pumping and heating set F.4733, a transfer pump No.290909 and lighting up set positioned as shown on plans has been built under survey to Rule Requirements.

The new P & S side tanks, fore and aft, centre tanks and P & S set tanks are all provided with solid drawn steel steam heating coils drains from which discharge into an observation tank.

continued.....

Boilers £10.
 Mchy. Rpr. £ 3.
 O.F. Conversion. £30.

Damage fee

Expenses...

27th April. 1956

Date when A/c rendered

"HOLMSIDE - Machinery.

An efficient steam smothering arrangement has now been fitted in the boiler room to Rule requirements. Two sand bins (10ft) with scoops, 2-2 gall. and 1-10 gall foam extinguishers fitted in boiler room and 2-2 gall. foam extinguishers in the engine room. Two hydrants with canvas hoses and jet spray nozzles were conveniently placed in the engine room.

The funnel damper was removed, hinged flaps fitted between inner and outer funnel, extended spindles to deck fitted to forced draught fan, oil fuel unit, transfer pump and steam smothering system. Quick closing valves fitted to all deep tank and settling tank suctions with the trip wires led to the deck.

On completion of the installation the remote control extended spindles, pumping

arrangements, quick closing valves and steam smothering installations were examined and tested under working conditions.

E. H. H. H.



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