

Rpt. 9

Date of writing report 19th Feb. 1962. Received London Port of Antwerp. No. 37480
Survey held at Antwerp. No. of visits 17. First date 15.1.62. Last date 3.2.62

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 28843. Name S.S. "RODOP" ex. "RUSHWOOD" Gross tons 6208. Date of build 1953-5.
Owners Navigation Maritime Bulgare. Managers -- Port of Registry VARNA.
Engines made 1953. By J. Readhead & Sons Ltd. Type T 3Cy. LP turbine with DB gearing and hydraulic coupling.
No. of Main Engines 1. No. of Screws 1
No. of Main Boilers 3 SB W.P. 220lb. Spt.
No. of Aux./Donkey Boilers -- W.P. --
Surveyed Afloat or in Dry Dock Both.
Nature of Survey Dkg. Dge. ES. MBS. TS (CL) and repairs.
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
*100A1.	*LMC.
SS. 3/57.	M. 3/57.
Dkg. 3/61.	CL. 4/61.
	CL. 6/59.
	SPS. 1/60.

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. Wear Down of Stern Bushes 4.3mm. Oil Glands None. Sea Connections Good.
Fastenings Good. Has Screwshaft Tubeshaft been drawn? Yes. Date of Examination 17.1.62. Has Shaft been changed? No.
Has Shaft now fitted been previously used? -- Has Shaft now examined/fitted a continuous liner? Yes. Approved oil gland? No.

MAIN ENGINES (Recip. Steam or I.C.) PORT- STARBOARD-
1 Cyls., Covers, Pistons & Rods HP; MP; LP. Good.
2 Valves & Gears HP; MP; LP. Good.
3 Connecting Rods, Side Top Ends & Guides HP; MP; LP. Good.
4 Crankpins & Bearings Side Centre HP; MP; LP. Good.
5 Journals & Bearings All Good.

~~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

~~SCAVENGE BLOWERS~~

~~SUPERCHARGERS~~

~~MAIN TURBINES~~

18 Casings, Rotors, Blading, Bearings & Thrusts

19 EXHAUST STEAM TURBINES (WITH RECIP. ENGINES) Good.

~~STEAM COMPRESSORS~~

21 CLUTCHES & HYDRAULIC COUPLINGS Good.

22 REDUCTION GEARING Good.

23 THRUST BLOCKS, SHAFTS & BEARINGS Good.

24 INTERMEDIATE SHAFTS & BEARINGS Good.

25 HOLDING DOWN BOLTS & CHOCKS Good.

26 CONDENSERS (MAIN & AUX.) Good.

~~STEAM RE-HEATERS~~

~~DE-SUPERHEATERS~~

29 STOP & MANOEUVRING VALVES Good.

30 MAIN ENGINE DRIVEN PUMPS Good.

~~CRANKCASE DOORS & EXPLOSION RELIEF DEVICES~~

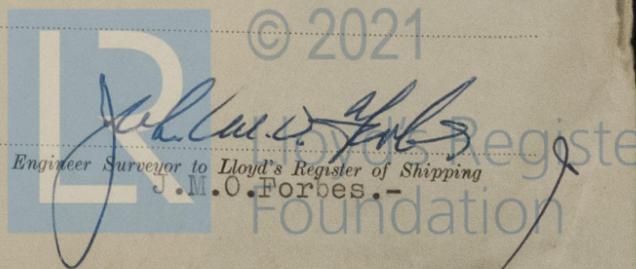
Have Main Engines been tested working and manoeuvring? Yes.

OPINION OF MACHINERY AND RECOMMENDATIONS The Machinery of this vessel, so far as now seen, is in safe working condition and in my opinion eligible to remain as classed and have a fresh record of ES. 2/62; MBS. 1/62 and TS (CL) 1/62 now.

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Date of Committee THURSDAY 22 MAR 1962

Decision ES 2.62 MBS 2.62 TS 1.62



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

If certificate is required state where to be sent.

37480

on the S.S./M.S. "R O D O P I" ex. "R U S H W O O D". -

Main overboard discharge valve:- Removed from shell, built up by electric welding where corroded, suitably stress relieved, pressure tested and considered satisfactory.

Several minor repairs effected to main engine, boilers, auxiliaries and electrical installation.

Johannes O. Forbes
J.M.O. Forbes.-

32 Essential Independent Pumps (Identify by position) Inboard and outboard boiler feed pumps:-Good; Forward and aft ballast Forward and Aft lubricating oil pumps:-Good; Fresh water pump:-Good; G.S. pump:-Good; Main S.W. Circ pump:-Good; Inboard and outboard fuel pressure pumps:-Good; Transfer pump:-Good.

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

35 Fresh Water Coolers 36 Lub-Oil Coolers 37 Heaters (state service) Feed Good; O.F. 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 Good 43 Have Evaporator Safety Valves been tested under steam? Yes.

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

AUXILIARY ENGINES (Identify by position) Port steam driven generator engine:-Good. Stbd steam driven generator engine:-Good. Emergency diesel driven generator engine:-Good.

Table with columns: PROPULSION, PORT, STARBOARD, ELECTRICAL EQUIPMENT, AUXILIARY EQUIPMENT. Rows include Generators, Exciters, Air Coolers, Motors, Control Gear, Cables, etc., Insulation Resistance, Insulating Oil Test, Overspeed Governors, Magnetic Couplings, Air Gap, Generators & Governors, Motors, Switchboards & Fittings, Circuit Breakers, Cables, Insulation Resistance, Steering Gear Generators and Motors, Navigation Light Indicators.

BOILERS OPENED UP & EXAMINED (Identify by position and state latest date of internal examination of each boiler) Forward boiler 18-1-62 MAIN Port boiler 22-1-62 Stbd boiler 25-1-62 Superheaters Good. Safety Valves Good. Mountings, Doors & Fastenings Good. Safety Valves Adjusted to (Sat 220 p.s.i. Spt 220 p.s.i.) Boiler Securing Arrangements Good. 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. Forced Circulating Pumps. Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules? Yes. Funnel Good.

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:- Cause and date unknown. Now done for damage:- Main engine, main bearing caps lifted and white metal of bearings found wiped and oil grooves closed. Crankshaft lifted; all main bearings retalled; crankshaft witnessed bedded in new bearings; couplings checked for alignment and considered satisfactory.

REPAIRS (Wear and Tear):- L.P. crosshead pins lapped in place and bearings refitted. H.P. and M.P. guide shoes retalled owing to excessive wear of metal. Condenser salt water circulating pump bearing cast iron supports corroded and broken, now renewed together with bearings. Auxiliary Condenser:- After end cover renewed owing to corrosion. Main boiler feed pumps:- Water and liners now renewed. Steam cylinders bored out and new pistons fitted. Steering gear steam engine:- Crankshaft removed, machined in way of main journals and new bearings fitted.

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Survey fees ... N.B.S. & S.P.S. ... Damage fee ... Expenses ... Date when A/c rendered 23.2.62