

REPORT OF SURVEY FOR REPAIRS, &c., OF ENGINES AND BOILERS

Date of writing Report 22-10-1949. When handed in at Local Office 1949. Port of Groningen. No. 388b. Date. First Survey 5-2-48, Last Survey 18-9-1949. Survey held at Harlingen. on the Machinery of the Wood, Iron or Steel Twin Screw M.V. "ORCA".

Gross 500 Vessel built at Glasgow By whom Messrs. Brown Year. Month. Net 363 Engines made at Colchester By whom Davey Paxman & Co. When during War 2 x 60 Boilers, when made (Main) (Donkey) Owners N.V. "ORCA" Owners' Address Groningen. Managers N.V. "Carebeka". Port Rotterdam Voyage If Surveyed Afloat or in Dry Dock on slipway and afloat.

Particulars of Examination and Repairs (if any) B.C. class contemplated. Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

Present condition of funnel (s) good. To what pressure were they afterwards adjusted under steam? Is an approved oil retaining appliance fitted at the after end? no. State date of examination of Screw Shaft 18-2-48. State the wear down in the Is electric light and/or power fitted? yes. If so, did the Surveyor examine the generators, motors, switchgear, cables and fuses? yes.

2 Main Engines: opened up for examination. Cylinders: In good condition. Covers and valves: Valves ground as necessary. Valve gear: In good condition. Pistons with topends: In good condition. Connecting rods: In good condition. Bottomends: In good condition. Crankshafts with main bearings: In good condition. Crankshafts with cams: In good condition. Attached coolingwater pumps: Rubber liners renewed. (see cont. sheet).

General Observations, Opinion, and Recommendation:— (State clearly what alteration, if any, is suggested to be made in the existing classification of the vessel's machinery in the Register Book, consequent upon this survey, and also any alteration required to be made in the records of the vessel's machinery, boilers, working pressures, &c.; thus, for example, BS 9,11, B&MS 9,11 or LMC 9,11 or LMC 140 lb., PD, &c.)

Fee (per Section 29) Mach. £1.280.-- El. Equipm. " 126.-- Fees applied for 10-11-1949. Received by me, 19. Committee's Minute Deferred. Engineer Surveyor to Lloyd's Register of Shipping.



Steel Twin Screw M.V. "ORCA".

Reduction reversing gears: In good condition. (thrust bearing included in gear).

Fuel pumps: In good condition.

Lubricating oil pumps: In good condition.

Spare Pump: 1 pump fitted ready interchangeable.

Tailshaft: Drawn and found in good condition.

Propellers: In good condition.

Sternbush: In good condition.

Seaconnections: Valves ground. For ballast piping a new valve has been fitted in connection with modified arrangement.

2 Auxiliary Engines.: Cylinders, covers, valves, valve gear, pistons with connecting rods, top- and bottomends, crankshafts, etc., found in good condition.

Small auxiliary compressor: Placed serving for typhoon.

Airreceiver: Placed serving for typhoon; tested at 60 Atm.

2 independent pumps: Electrically driven pumps have been placed, serving for bilge- and ballast purposes.

Pumping Arrangement: New bilge and ballast piping arrangement with new main distribution chests has been made. Emergency connection made to cooling water system.

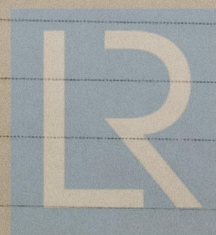
Daily supply tank: Tested to Rule requirement.

Electr. Equipment: Overhauled. Main switchboard new. Lay-out new. Insulation tests made to satisfaction.

Spare gear: supplied.

The whole installation has been tried under working conditions and found to satisfaction.

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