

VED

London Report 115261

REPORT ON OIL ENGINE MACHINERY.

No. 12807.

46
47

Received at London Office 15 FEB 1947

of writing Report 3rd February 47 When handed in at Local Office 14th February 47 Port of MANCHESTER

in Survey held at MANCHESTER. Date, First Survey 25th November, 1946. Last Survey 6th February, 1947. Number of Visits 9.

on the ^{Single} ~~Twin~~ ^{Triple} ~~Quadruple~~ Screw vessel BOSTON MOSQUITO Tons Gross 147 Net

at Lowestoft. By whom built Richards Ironworks Ltd. Yard No. 573. When built 1947

Lines made at Openshaw. By whom made Crossley Bros. Ltd. Engine No. 137300. When made 1947.

Key Boilers made at By whom made Boiler No. When made

Net Horse Power 300. 330 Owners Boston Deep Sea Fishing Co. Ltd. Port belonging to

Net Horse Power as per Rule 96.8 97 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

Net Horse Power as per Rule 96.8 97 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

Net Horse Power as per Rule 96.8 97 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

Net Horse Power as per Rule 96.8 97 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

Net Horse Power as per Rule 96.8 97 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

Net Horse Power as per Rule 96.8 97 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

Net Horse Power as per Rule 96.8 97 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

Net Horse Power as per Rule 96.8 97 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

Net Horse Power as per Rule 96.8 97 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

Net Horse Power as per Rule 96.8 97 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

Net Horse Power as per Rule 96.8 97 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

Net Horse Power as per Rule 96.8 97 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

Net Horse Power as per Rule 96.8 97 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

Net Horse Power as per Rule 96.8 97 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

Net Horse Power as per Rule 96.8 97 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

Net Horse Power as per Rule 96.8 97 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

Net Horse Power as per Rule 96.8 97 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

Net Horse Power as per Rule 96.8 97 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

Net Horse Power as per Rule 96.8 97 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

Net Horse Power as per Rule 96.8 97 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

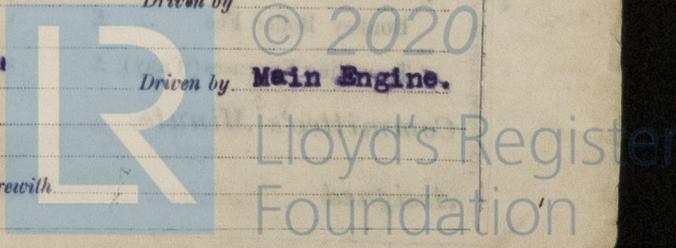
Net Horse Power as per Rule 96.8 97 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

Net Horse Power as per Rule 96.8 97 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

Net Horse Power as per Rule 96.8 97 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

Net Horse Power as per Rule 96.8 97 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

Net Horse Power as per Rule 96.8 97 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted



005194-005209-0116

AIR RECEIVERS:—Have they been made under survey Yes. State No. of Report or Certificate O.4958. & O.5000.
 Is each receiver, which can be isolated, fitted with a safety valve as per Rule Safety Valve fitted on Air Compressor Fusible Plugs on
 Can the internal surfaces of the receivers be examined and cleaned Yes. Is a drain fitted at the lowest part of each receiver Yes. Receiver

Injection Air Receivers, No. 7 Cubic capacity of each 150 Internal diameter 8.5 thickness 0.25
 Seamless, lap welded or riveted longitudinal joint Seamless Material Cast Iron Range of tensile strength 10.5 Working pressure 10 by Rules Actual

Starting Air Receivers, No. 1 Total cubic capacity 150 Internal diameter 8.5 thickness 0.25
 Seamless, lap welded or riveted longitudinal joint Seamless Material Cast Iron Range of tensile strength 10.5 Working pressure 10 by Rules Actual

IS A DONKEY BOILER FITTED? Yes. If so, is a report now forwarded? Yes.
 Is the donkey boiler intended to be used for domestic purposes only Yes.

PLANS. Are approved plans forwarded herewith for Shafting 10.5.46. Receivers Yes. Separate Fuel Tanks Yes.
 (If not, state date of approval)

Donkey Boilers 1 General Pumping Arrangements See Plans Pumping Arrangements in Machinery Space See Plans
 Oil Fuel Burning Arrangements See Plans

SPARE GEAR.
 Has the spare gear required by the Rules been supplied AS PER RULE REQUIREMENTS.
 State the principal additional spare gear supplied None.

CROSSLEY BROTHERS LIMITED,
 Certificate Department
 The foregoing is a correct description, and the particulars of the installation as fitted are as approved for torsional vibration characteristics.
 Manufacturer.

Dates of Survey while building: During progress of work in shops -- 1946. Nov. 25, 27. Dec. 7. 1947. Jan. 7, 8, 10, 15, 20, 21. February, 3, 6.
 During erection on board vessel --
 Total No. of visits 10

Dates of Examination of principal parts—Cylinders 7.12.46. Covers 3.5.46, 15.8.46. Pistons 21.1.47. Rods 21.1.47. Connecting rods 21.1.47.
 Crank shaft 25.11.46. Flywheel shaft 21.1.47. Thrust shaft 21.1.47. Intermediate shafts 21.1.47. Tube shaft 21.1.47.
 Screw shaft 25.11.46. Propeller 21.1.47. Stern tube 21.1.47. Engine sealings 21.1.47. Engines holding down bolts 21.1.47.

Completion of fitting sea connections 21.1.47. Completion of pumping arrangements 21.1.47. Engines tried under working conditions 21.1.47.

Crank shaft, Material O.H. Steel. Identification Mark LLOYD'S 2994 DMT. 7.11.46. Flywheel shaft, Material O.H. Steel. Identification Mark LLOYD'S 2998 BIK 21.1.47.
 Thrust shaft, Material O.H. Steel. Identification Mark LLOYD'S 2998 BIK 21.1.47. Intermediate shafts, Material O.H. Steel. Identification Marks LLOYD'S 2998 BIK 21.1.47.
 Tube shaft, Material O.H. Steel. Identification Mark LLOYD'S 2998 BIK 21.1.47. Screw shaft, Material O.H. Steel. Identification Mark LLOYD'S 2998 BIK 21.1.47.

Identification Marks on Air Receivers E.5308. LLOYD'S TEST 700 lbs. W.P. 350 lbs. T.D.S. 3.1.47. E.5354. LLOYD'S TEST 700 lbs. W.P. 350 lbs. H.F.M. 22.1.47.

Is the flash point of the oil to be used over 150° F. Yes.
 Have the requirements of the Rules for oil fuel pipes and tank fittings been complied with Yes.
 Is the vessel (not being an oil tanker) fitted for carrying oil as cargo Yes. If so, have the requirements of the Rules been complied with Yes.
 If the notation for Ice Strengthening is desired, state whether the requirements in this respect have been complied with Yes.
 Is this machinery duplicate of a previous case No. If so, state name of vessel None.

General Remarks (State quality of workmanship, opinions as to class, &c. This engine has been constructed under special survey of tested materials, and is in accordance with Secretary's letters, approved plans and Rule Requirements.
 Materials and workmanship are of good quality and the engine, when tested in the shops under full load conditions, gave satisfactory results.
 The torsional vibration calculations have been examined and approved in Secretary's letter of 1.10.46 for a service speed of 300 R.P.M.
 The fuel oil service tank and the mountings of the air receivers have been hydraulically tested with satisfactory results.
 In my opinion, this engine is suitable for installation in a vessel to be classed with the Society and, when satisfactorily reported upon, to receive the record of T.M.C. with date.

The amount of Entry Fee £ 21 : : When applied for, 14/5/47
2/3 Special £ 19 : : :
 Donkey Boiler Fee £ : : :
 Travelling Expenses (if any) £ : : :
 Committee's Minute 29 AUG 1947
 Assigned Sir F.E. Mely apt
 Engineer Surveyor to Lloyd's Register of Shipping
 © 2020 Lloyd's Register Foundation