

REPORT ON OIL ENGINE MACHINERY.

No 14254

Z 1733

OCT 1946

Received at London Office

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Date, First Survey 19th April 1945Last Survey 19th Sept 1946

Number of Visits 149

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By

AIR RECEIVERS: - Have they been made under survey **YES** ✓ State No. of Report or Certificate **21733**
Is each receiver, which can be isolated, fitted with a safety valve as per Rule **YES** ✓
Can the internal surfaces of the receivers be examined and cleaned **YES** ✓

Injection Air Receivers, No. **1** Is a drain fitted at the lowest part of each receiver **YES** ✓
Seamless, lap welded or riveted longitudinal joint **—** Internal diameter **—** thickness **—**
Starting Air Receivers, No. **1** Total cubic capacity **500 FT.³** Internal diameter **6'-0 5/16"** Working pressure **—**
Seamless, lap welded or riveted longitudinal joint **Riv.** Material **M.S.** Range of tensile strength **28/32 T/°"** thickness **1"**

IS A DONKEY BOILER FITTED? **YES** ✓
Is the donkey boiler intended to be used for domestic purposes only **NO** ✓
PLANS. Are approved plans forwarded herewith for Shifting (If not, state date of approval) **YES** ✓
Donkey Boilers **YES** ✓ Receivers **YES** ✓ Separate Fuel Tanks **NONE**
Oil Fuel Burning Arrangements **YES** ✓ General Pumping Arrangements **YES** ✓ Pumping Arrangements in Machinery Space **YES** ✓

Has the spare gear required by the Rules been supplied **YES** ✓
State the principal additional spare gear supplied **SEE ATTACHED LIST**

The foregoing is a correct description.

Manufacturer.

Dates of Survey while building
During progress of work in shops - **1945**
During erection on board vessel - **13.14.15.16.19.20.22.24.27 Dec. 7.11.12.13.14.18 Jan. 23.24.7.8.9.10.16.17.18.19.22.23.25.28.29.30.31 Feb. 1.2.5.6.8.10.11.13.15.16.17.20.22.23.25.27.29.30.31 June 3.5.6.10.11.12.13.14.17.18.21.24.27.28 July 1.2.3.4.5.6.7.8.9.10.11.12.13.14.17.18.21.24.27.28**
Total No. of visits **24.26.29.30 Aug 1 Sept 13.17.19 = 149**

Dates of Examination of principal parts - Cylinders **7/1/46** Covers **5/11/45** Pistons **19/11/45**
Crank shaft **11/12/45** Flywheel shaft **11/12/45** Thrust shaft **11/12/45** Intermediate shafts **12/4/46** Tube shaft **—**
Screw shaft **12/4/46** Propeller **28/2/46** Stern tube **11/4/46** Engine seatings **12/6/46** Engines holding down bolts **12/6/46**
Completion of fitting sea connections **15/4/46** Completion of pumping arrangements **1/8/46** Engines tried under working conditions **19/9/46**
Crank shaft, Material **STEEL** Identification Mark **Lloyds No. 1122** Flywheel shaft, Material **STEEL** Identification Mark **Lloyds No. 1122**
Thrust shaft, Material **M.S.** Identification Mark **Lloyds No. 52267** Intermediate shafts, Material **M.S.** Identification Mark **Lloyds No. 52267**
Tube shaft, Material **—** Identification Mark **—** Screw shaft, Material **M.S.** Identification Mark **Lloyds No. 52267**
Identification Marks on Air Receivers **No. 337**
LLOYDS TEST 556 LBS.
W.P. 356 LBS.
J.M.C.A. 10/1/46

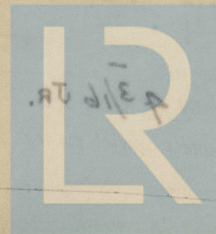
Is the flash point of the oil to be used over 150° F. **YES** ✓
Have the requirements of the Rules for oil fuel pipes and tank fittings been complied with **YES** ✓
Description of fire extinguishing apparatus fitted **STEAM WITH REMOTE CONTROL, ALSO PORTABLE CHEMICAL - 3 @ 10 GA. 7 @ 2**
Is the vessel (not being an oil tanker) fitted for carrying oil as cargo **—**
If the notation for Ice Strengthening is desired, state whether the requirements in this respect have been complied with **—**
Is this machinery duplicate of a previous case **YES** ✓ If so, state name of vessel **"M.V. 'LYRIA' - BEL. 1418"**

General Remarks (State quality of workmanship, opinions as to class, &c.)
This machinery has been constructed under Special Survey in accordance with the Society's Rules and Regulations and the Secretary's letters. The Receipts and Arrangements are in accordance with the approved plans.
The materials and workmanship are good.
The machinery has been efficiently installed on board vessel and tested under full working conditions at sea with satisfactory results. (Torsional Vibration Characteristics App. 2)
In our opinion this machinery is eligible to receive the notations: -
+ L.M.C. 9, 46 OIL ENGINE C.L. D.B. 180 LB.

The amount of Entry Fee .. £ **6** :
Special ... £ **81** : **11** :
Donkey Boiler Fee .. £ **23** : **12** :
AIR RESERVOIR .. £ **4** : **4** :
Travelling Expenses (if any) .. £ **4** : **4** :
When applied for, **27/9/46**
When received, **19**

Committee's Minute

Assigned **+ LMC 9.46 Oil Eng.**
C.L. D.B. 180 lbs.



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