





4<sup>B</sup> 9363.

AIR RECEIVERS:—Have they been made under survey. Yes State No. of ~~XXXXXX~~ Certificate S.Fo. 1795/6/7/8

Is each receiver, which can be isolated, fitted with a safety valve as per Rule  
Can the internal surfaces of the receivers be examined and cleaned Is a drain fitted at the lowest part of each receiver  
Injection Air Receivers, No. None Cubic capacity of each — Internal diameter. — thickness. —  
Seamless, lap welded or riveted longitudinal joint — Material — Range of tensile strength — Working pressure by Rules Actual —  
Starting Air Receivers, No. 2 Total cubic capacity 36 Internal diameter 22" thickness 5/16" (Class  
Seamless, lap welded or riveted longitudinal joint Elect. Welded O H Steel Range of tensile strength 64330 Working pressure by Rules Actual 250 lbs.

IS A DONKEY BOILER FITTED? — If so, is a report now forwarded? —  
Is the donkey boiler intended to be used for domestic purposes only —  
PLANS. Are approved plans forwarded herewith for Shafting 23 Dec. 48 (N.Yk) Receivers 2 Jan. 49 (N.Yk.) Separate Fuel Tanks —  
(If not, state date of approval)  
Donkey Boilers — General Pumping Arrangements — Pumping Arrangements in Machinery Space —  
Oil Fuel Burning Arrangements —

SPARE GEAR.

Has the spare gear required by the Rules been supplied Yes  
State the principal additional spare gear supplied None

The foregoing is a correct description

*Wan Hash* --Enterprise Engine & Fdy. Co. Manufacturer.

Dates of Survey while building { During progress of work in shops - - }  
{ During erection on board vessel - - }  
Total No. of visits  
Dates of Examination of principal parts—Cylinders 13 Jan. 49 Covers 13 Jan. 49 Pistons 13 Jan. 49 Rods — Connecting rods 13 Jan. 49  
Crank shaft 16 Dec. 48 Flywheel shaft — Thrust shaft 23 Dec. 48 Intermediate shafts — Tube shaft —  
Screw shaft — Propeller — Stern tube — Engine seatings — Engines holding down bolts —  
Completion of fitting sea connections — Completion of pumping arrangements — Engines tried under working conditions 24 Jan. 49  
Crank shaft, Material O H Steel Identification Mark E M 1800 Flywheel shaft, Material — Identification Mark —  
Thrust shaft, Material O H Steel Identification Mark LLOYDS TEST 16 Dec 48 Intermediate shafts, Material — Identification Marks —  
Tube shaft, Material — Identification Mark E M 1808 Screw shaft, Material — Identification Mark —  
Identification Marks on Air Receivers LLOYDS TEST E M 500 lbs. 1795/6/7/8 3 Dec. 48

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 —  
Is the vessel (not being an oil tanker) fitted for carrying oil as cargo — If so, have the requirements of the Rules been complied with —  
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 No If so, state name of vessel —

General Remarks (State quality of workmanship, opinions as to class, &c. This Diesel engine has been built under Special Survey. The Crankshaft and principal forgings and castings have been examined and tested as required by the Rules and approved drawings. The workmanship and materials used are good. Details of the torsional vibration characteristics of the engine and coupled shafting have been forwarded to London Office. The engine has been tried on the test bed at full load, 10% overload and astern and found satisfactory. Governing trials have been carried out and are satisfactory. The working parts of the engine were subsequently examined and found satisfactory.

This engine, in my opinion, may be installed in a vessel classed with Lloyd's Register of Shipping and on satisfactory completion of the installation be entitled to record of \*L.M.C. (with date) in the Register Book.

T.V.Cs approved for 294 RPM. Sec's letter of 16.3.49.

The amount of Entry Fee ... £ : : When applied for,  
Special ... £ 202.00 : Feb. 16, 1949.  
Donkey Boiler Fee ... £ : :  
Travelling Expenses (if any) £ 4.00 : When received,  
19

Committee's Minute NEW YORK MAR 2 1949

Assigned *Transmit to London*

*E. H. Mallory*  
Engineer Surveyor to Lloyd's Register of Shipping.

FRI, 3 JUN 1949

*Sen R. E. Welch, Rpt. No. 329*  
Lloyd's Register Foundation