

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

PLANS. Are approved plans forwarded herewith for Shafting (If not, state date of approval)

Receivers

Separate Tanks

Donkey Boilers

General Pumping Arrangements

Oil Fuel Burning Arrangements

SPARE GEAR.

Has the spare gear required by the Rules been supplied *Yes*

State the principal additional spare gear supplied

2 Transverse bolts & nuts, 1 upper & lower piston rod complete, 1 piston complete, 1 crank shaft spool piece, 3 spindles for fuel oil distribution block & filter, 2 fuel oil filters, 1 non return starting valve complete, 1 relief valve complete, 4 valves for scavenging pump, 1 scavenging pump crosshead & shoe & connecting rod bearing, 2 bolts & nuts for scavenging pump conn rod, 2 sprockets & chain for lubricator drive.

The foregoing is a correct description.

SUN SHIPBUILDING & DRY DOCK CO.

Robert H. Hall

Manufacturer.

Dates of Survey while building: During progress of work in shops - Jan 19, Feb 18, March 19, April 2, 3, 13, 27, May 3, 8, 13, 18, 22, 24, 25, June 2, 10, 23, 24, 25, 26, 28, 30. During erection on board vessel - May 10, 14, 17, 20, June 5, 8, 23, July 7, 9, 12, 20, 22, 23, 26. Total No. of visits 36.

Dates of Examination of principal parts: Cylinders May 28, Covers May 28, Pistons May 25, Rods June 2, Connecting rods June 2, Crank shaft May 3, Flywheel shaft, Thrust shaft June 25, Intermediate shafts May 18, Tube shaft, Screw shaft May 21, Propeller May 18, Stern tube May 8, Engine seatings May 20, Engines holding down bolts June 23, Completion of fitting sea connections June 1, Completion of pumping arrangements July 23, Engines tried under working conditions July 23.

Identification Marks: Crank shaft, Material Steel, Identification Mark LR. W.H.R., Flywheel shaft, Material, Identification Mark, Thrust shaft, Material Steel, Identification Mark 3302. W.H.R., Intermediate shafts, Material Steel, Identification Marks 3311 W.H.R., Tube shaft, Material, Identification Mark, Screw shaft, Material Steel, Identification Mark Reg 3323 Spare 3349 W.H.R.

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. 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

General Remarks (State quality of workmanship, opinions as to class, &c.) The above machinery has been constructed under special survey, and in accordance with the approved plans, the workmanship & materials are good, the machinery has been satisfactorily installed on board the vessel, tried out under working conditions & found satisfactory. In my opinion this installation is eligible to receive the record of + LMC 7-37. Please see attached sheet for forging reports.

The bedplate & entablatures of the main engines are fusion welded, and in accordance with the approved plans. All welded parts entering into the construction of this engine have been stress relieved, electrode used "Murox". After the trial trip bedplate & entablatures were thoroughly cleaned, and all welded parts carefully examined. No sign of defect or weakness was discovered. Please note approved plans will be forwarded on completion of Hull 165.

The amount of Entry Fee \$ 30.00
Special Installation \$ 150.00
Donkey Boiler Fee \$ 1.30.00
Entablatures \$ 67.50
Travelling Expenses (if any) \$ 17.50
Comm. Fee's Minute \$ 50.00

When applied for, 12th August 1937
When received, 22/10/37
NEW YORK AUG 25 1937

W. W. Runkham
Engineer Surveyor to Lloyd's Register of Shipping.



Assigned + LMC 7-37 Oil Engine

Certificate (if required) to be sent to the Registrar of Shipping, London, E.C. 4, in the space for Committee's Minute. (The Surveyors are requested not to write on or below the space for Committee's Minute.)