

AIR RECEIVERS: - Have they been made under survey *yes* State No. of Report or Certificate *2. 994*

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* Is a drain fitted at the lowest part of each receiver *yes*

Injection Air Receivers, No. *✓* Cubic capacity of each *200* Internal diameter *12"* thickness *1"*

Seamless, lap welded or riveted longitudinal joint *✓* Material *St* Range of tensile strength *28/32 ton* Working pressure *356 lb*

Starting Air Receivers, No. *2* Total cubic capacity, *900 cu. ft.* Internal diameter *6-0 5/8"* thickness *1"*

Seamless, lap welded or riveted longitudinal joint *Riveted* Material *St* Range of tensile strength *28/32 ton* Working pressure *356 lb*

IS A DONKEY BOILER FITTED? (2) *yes* If so, is a report now forwarded? *Belfast Rpt No. 13354*

Is the donkey boiler intended to be used for domestic purposes only *no*

PLANS. Are approved plans forwarded herewith for Shafting *CRANK SHAFT 23-4-41* *THRUST " 1-5-41* Receivers *yes* Separate Fuel Tanks *✓*
(If not, state date of approval) *INTER. & SCREW SHAFTS 25-1-43*

Donkey Boilers *yes* General Pumping Arrangements *yes* Pumping Arrangements in Machinery Space *yes*

Oil Fuel Burning Arrangements *yes*

SPARE GEAR.

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

State the principal additional spare gear supplied *As per attached list. (Under separate cover)*

The foregoing is a correct description.

Wm. J. Wright

Manufacturer.

Dates of Survey while building
During progress of work in shops - *1941 Oct 6, Dec 30 1942 Mar 10 Apr 22 May 7 Jul 10 Aug 14 Sep 17 Dec 24 25 1943 Jan 14, 22, 29 Mar 2, 5, 12, 15, 18, 24 Apr 14, 16, 20, 21, 28*
During erection on board vessel - *28, 29, May 4, 12, 19, 21 Jun 4, 8, 10, 16, 22, 25, 30 Jul 19, 20, 21, 28 Aug 18, 25 Sep 2, 8, 9, 10, 13, 14, 15, 16, 20, 21, 25, 30 Oct 1, 5, 6, 8, 11, 12, 13, 14, 15, 18, 19, 20, 21, 24, 27, 28*
Total No. of visits *72*

Dates of Examination of principal parts - Cylinders *14-4-43 4* Covers *14-4-43 4* Pistons *12-3-43 6* Rods *16-4-43* Connecting rods *4-6-43*
Crank shaft *24-12-42* Flywheel shaft *✓* Thrust shaft *24-12-42* Intermediate shafts *10-6-43* Tube shaft *✓*
Screw shaft *22-6-43* Propeller *25-6-43* Stern tube *16-6-43* Engine seatings *18-8-43* Engines holding down bolts *28-9-43*
Completion of filling sea connections *16-6-43* Completion of pumping arrangements *28-10-43* Engines tried under working conditions *28-10-43*
Crank shaft, Material *St* Identification Mark *Lloyd's 8260 P.P. TEST NOS* Flywheel shaft, Material *✓* Identification Mark *✓*
Thrust shaft, Material *St* Identification Mark *Lloyd's 54574 P.P.* Intermediate shafts, Material *St* Identification Marks *Lloyd's 7033 P.P.*
Tube shaft, Material *✓* Identification Mark *✓* Screw shaft, Material *St* Identification Mark *Lloyd's 6933 V.M.*

Identification Marks on Air Receivers *No. 236. Lloyd's test 556 lb D, WP 356 lb, 13-10-42 R.S.; No. 237 Lloyd's test 556 lb, WP 356 lb 15-10-42 R.S.*

Steam pipes Bessemer Steel. Flanges stamped accordingly.

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 *Prepared steam pipes under boilers. Portable extinguishers as per Merchant Shipping regulations B.O.T and A*
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 *yes* If so, state name of vessel *Generally similar to "Empire Benefit", Glasgow Report No. 66990*

General Remarks (State quality of workmanship, opinions as to class, &c.)
This machinery has been built under Special Survey and in accordance with the Rules of this Society, the approved plans, and the Ministry of War Transport Specification. The materials and workmanship are good. The machinery has been efficiently secured in position on board the vessel, and afterwards tried under full working conditions with satisfactory results. It is eligible in my opinion to be classed in the Register Book with the notation of + LMC 10.43 C.L. 2 DB. WP 150 lb.

See also Belfast Report No 13560 enclosed herewith.

Table with columns for fee type and amount: The amount of Entry Fee (£ 5), Special Specification (£ 98), Donkey Boiler Fee (£ 24), Travelling Expenses (if any) (£).

P. Fitzgerald & G. E. Murdoch
Engineer Surveyor to Lloyd's Register of Shipping.



Lloyd's Register Foundation

Committee's Minute *GLASGOW 2 NOV 1943*

Assigned *+ LMC, 10, 43, oil fuel, 2 DB, 150 lb.*

Vertical stamp: Certificate (if required) to be sent to Glasgow 30-10-43