

AIR RECEIVERS:—Have they been made under survey *yes* ✓ State No. of Report or Certificate *2. 1083.* ✓
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 *✓* Internal diameter *✓* thickness *✓*
Seamless, lap welded or riveted longitudinal joint *✓* Material *✓* Range of tensile strength *✓* Working pressure *by Rules*
Starting Air Receivers, No. *2* ✓ Total cubic capacity *900 Cu. ft.* Internal diameter *6'-0 5/16"* thickness *1"* ✓
Seamless, lap welded or riveted longitudinal joint *Riveted* ✓ Material *Steel* Range of tensile strength *28/32 tons* Working pressure *by Rules*
Actual *356 lb. per sq. in.* ✓
IS A DONKEY BOILER FITTED? *yes. (2)* ✓ If so, is a report now forwarded? *yes. Belfast Rpt. No. 13662* ✓
Is the donkey boiler intended to be used for domestic purposes only *no* ✓
PLANS. Are approved plans forwarded herewith for Shafting *Crank & thrust shafts 23-4-41* Receivers *26-5-41* Separate Fuel Tanks *✓*
(If not, state date of approval) *Before screw shafts 25-1-43*
Donkey Boilers *26-5-41* 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 enclosed list.*

*Satisfactory tomograph records were approved
See Lon. letter in E. file 21.4.44.*

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 Jan 10 Apr 22 May 1 Jul 16 Aug 14 Sep 17 Dec 30 1943 Feb 25 Mar 12 Jul 19 23 29 Aug 17-27 Sep 15 Oct 13 15-18 19 21 2*
During erection on board vessel: *Nov 1 2 3 4 5 10 23 24 25 26 Dec 3 13 16 30 1944 Jan 6 11 12 14 20 21 27 Feb 1 4 11 22 27 28 Mar 1 11 22 26 7 8 9 10 13 14 15 16 17 19 22 23 27 29 30*
Total No. of visits *68*

Dates of Examination of principal parts—Cylinders *15-10-43* 5-11-43 Covers *15-10-43* 5-11-43 Pistons *22-10-43* 5-11-43 Rods *22-11-43* 5-11-43 Connecting rods *18-11-43*

Crank shaft *30-12-42* Flywheel shaft *✓* Thrust shaft *30-12-42* Intermediate shafts *26-11-43* Tube shaft *✓*

Screw shaft *25-11-43* Propeller *10-11-43* Stern tube *7-12-43* Engine seatings *6-1-44* Engines holding down bolts *28-2-44*

Completion of fitting sea connections *11-12-43* Completion of pumping arrangements *29-3-44* Engines tried under working conditions *30-3-44*

Crank shaft, Material *Steel* Identification Mark *Lloyd's 8460/3 P4* Flywheel shaft, Material *✓* Identification Mark *✓*

Thrust shaft, Material *Steel* Identification Mark *Lloyd's S.4557 P2* Intermediate shafts, Material *Steel* Identification Marks *Lloyd's S.6932 P9*

Tube shaft, Material *✓* Identification Mark *✓* Screw shaft, Material *Steel* Identification Mark *Lloyd's S.7667 P9*

Identification Marks on Air Receivers *See Belfast Report No. 13662.*

Steam pipes 2" dia, S.D.O.H steel. All other sizes S.D. Bessemer steel tubes taken from H9 W stock. Flanges marked 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 *Portulated steam pipes under boilers. Portable extinguishers as per B.O.T & Merchant Shipping Regulations.*

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 *M.V. "NORRISIA". Glasgow Rpt. No. 68202*

General Remarks (State quality of workmanship, opinions as to class, &c.)

The machinery of this vessel has been constructed under Special Survey and in accordance with the approved plans, the Rules of this Society, and the Ministry of War Transport Specification for the main engines. 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.

The machinery is eligible in my opinion to be classed in the Register Book with notation of *1 LMC 3.44 C.L. & 2 DB. WP 150 H.*

See also Belfast Report No. 13662

The amount of Entry Fee .. £ 5 : 0 : 0
Special Specification Main engines .. £ 98 : 10 : 0
Donkey Boiler Fee .. £ 16 : 8 : 0
Travelling Expenses (if any) £ : : 19

When applied for,

12 APR 1944

When received,

Committee's Minute

Assigned

1- LMC 3.44

air Eng.

2 DB 150 lb.

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



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