

AIR RECEIVERS:—Have they been made under survey *Yes* ✓ State No. of Report or Certificate *✓*
 Is each receiver, which can be isolated, fitted with a safety valve as per Rule *Yes* ✓ *one Safety Valve on each Compressor* ✓
 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. *Nil* ✓ Cubic capacity of each _____ Internal diameter _____ thickness _____
 Seamless, lap welded or riveted longitudinal joint _____ Material _____ Range of tensile strength _____ Working pressure _____
Starting Air Receivers, No. *Two* ✓ Total cubic capacity *400 cub. ft.* Internal diameter *4'-2 1/2"* thickness *1 1/8"*
 Seamless, lap welded or riveted longitudinal joint *Riveted* Material *Stl.* Range of tensile strength *29-33 tons* Working pressure _____
 by Rules _____ Actual *approved 600 lbs/sq*

IS A DONKEY BOILER FITTED? *Yes. Two* ✓ If so, is a report now forwarded? *Yes* ✓
 Is the donkey boiler intended to be used for domestic purposes only *No* ✓
PLANS. Are approved plans forwarded herewith for Shafting *4/3/42* *crank sh.* *3/18/42* *+ 8/10/42 Jordograph Calcs.* ✓
 (If not, state date of approval) Receivers *8/9/42* Separate Fuel Tanks *24-8-42*
 Donkey Boilers *31-3-42* General Pumping Arrangements *19/4/43* *24/5/43* *11/6/43* Pumping Arrangements in Machinery Space *10/6/43*
 Oil Fuel Burning Arrangements *11-6-43*

SPARE GEAR.

Has the spare gear required by the Rules been supplied *Yes* ✓
 State the principal additional spare gear supplied *as Specification*

The **THE NORTH EASTERN MARINE ENGINEERING CO. (LONDON) LTD.**
John Neill Manufacturer.

Dates of Survey while building
 During progress of work in shops-- (1943) Jan. 15, Feb. 9, 10, 15, Mar. 10, 12, 15, 20, Apr. 5, 20, 30, May 24, June 2, 7, 8, 22, July 22, Aug. 31, Sept. 20, 21, 22, 24, Oct. 1, 4, 7, 12, 15, 18, 20, 25, Nov. 2, 5, 8, 11, 15, 18, 22, 24, 27, 29, Dec. 1, 6, 7, 14, 15, 16, 20, 23, 28, (1944) Jan. 11, 17, 27, 28, Feb. 3, 4, 9, 16, 24, 29, Mar. 2, 7, 8, 10, 14, 20, 21, 22, 23, Apr. 3, 6, 13, 17, 19, 21, 24, 26, 27, May 4, 11, 18, 25, June 6, 23, 28, July 6, 11, 12, 25, Aug. 2, 10, 15, 21, 23, 24, 28, 29, 30, 31, Sept. 1, 6, 8, 14, 18, 22, Oct. 4, 5, 6, 9, 10, 14, 12, 14, 17, 18, 23, 25, 26, 27, Nov. 2, 6, 8, 13, 18, 21, 24, 29, Dec. 5, 11, 12, (1945) Jan. 5, 19, 23, 25, 29, Feb. 2, 9, 27, 28, Mar. 1, 9, 21, 22, 27, Apr. 27, May 2, 15, 16, 24, 28, June 1, 4, 5, 13, 15, 18, 21, 22, 25, 29, July 3.

Dates of Examination of principal parts—Cylinders *and* *29-2-44* Covers *14-3-44* Pistons *and* Rods *27-1-44*
 Crank shaft *3-2-44* Flywheel shaft *as Cr. Shaft* Thrust shaft *2-11-43* Intermediate shafts *7-9-44* Tube shaft *✓*
 Screw shaft *2-11-43* Propeller *IN WKS 15-8-44* Stern tube *IN WKS 12-7-44* Engine seatings *22-9-44* Engines holding down bolts *2-5-45*
 Completion of fitting sea connections *Stl.* Completion of pumping arrangements *22-6-45* Engines tried under working conditions *IN WKS. OCT 44 to 28-2-45*
 Crank shaft, Material *F. Stl.* Identification Mark *LLOYDS 2-11-43 RM.* Flywheel shaft, Material *as Crank shaft* Identification Mark *as crank shaft*
 Thrust shaft, Material *F. Stl.* Identification Mark *LLOYDS 7944 CP* Intermediate shafts, Material *F. Stl.* Identification Mark *LLOYDS 7932 CP 17.11.42*
 Tube shaft, Material *✓* Identification Mark *✓* Screw shaft, Material *F. Stl.* Identification Mark *LLOYDS 7934 CP 2-12-42*

Identification Marks on Air Receivers } *LLOYD'S TEST 800 LBS*
Two each 200 cub ft } *WP 600 LBS*
 Description of FIRE EXTINGUISHING APPARATUS fitted:— *24-2-44 RM*
 one of 10 gallon MINIMAX chemical extinguishers
 six of 2 gallon steam fire extinguishers perforated paper in way of the 2. Donk. Blr
 (2) under floor in Main Oil Eng Room
 separately controlled from outside of E.R. Casings
 one 2 1/2" hose connection in ENG. RM. and
 one ditto in Donkey Blr Room, also Sand box in Blr Rm.

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 *✓*
 If the notation for Ice Strengthening is desired, state whether the requirements in this respect have been complied with *Not desired.*

Is this machinery duplicate of a previous case *Yes* If so, state name of vessel *M.S. EMPIRE INVENTOR*
 No. Rpt *4101831* 2 Dec 1943.

General Remarks (State quality of workmanship, opinions as to class, etc.)
The machinery has been constructed under special survey in accordance with the Society's Rules, the approved plans and Specification and the materials and workmanship are good. The Main Engine Bedplate and the Columns are of fabricated steel welded construction in accordance with the approved plans. The Bedplate was made at W. H. Pl. Wks of Richardson, Westquay (See W. H. Pl. Cert. C1060 of April 1943). The machinery has been efficiently fitted on board, tested under working conditions at wharf, and at sea under full load and found satisfactory and is eligible, in our opinion, for record + L.M.C. 7.45, and the notations Oil Eng. Washy aft, Ch. 2 DB. 180 lbs. 28.C.D.A. 5cy. 27 9/16" - 47 1/4".

The amount of Entry Fee .. £ *6: 0: 0*
 Special *@1322 NHP* £ *133: 1: 0* When applied for, *25 JUL 1945*
 Donkey Boiler Fee *26: 2: 0* When received, _____
 Travelling Expenses (if any) £ *40: 17: 0*

Awatt for R. Moffitt & self
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute *3 AUG 1945*

Assigned + LMC 7.45 Oil Eng.
 C.L. 2 DB. 180 lbs

