

AIR RECEIVERS:—Have they been made under survey Yes ✓ State No. of report or certificate X 194

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, welded or riveted longitudinal joint ✓ Material ✓ Range of tensile strength ✓ Working pressure ✓

Starting Air Receivers, No. Two ✓ Total cubic capacity 800 cu ft Internal diameter 6 8/16" thickness 1 1/32"

Seamless, welded or riveted longitudinal joint welded Material Steel Range of tensile strength 29,32 1/2 Working pressure Actual 35.6

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 No ✓

PLANS. Are approved plans forwarded herewith for shafting 20.3.48 Receivers APP 8.2.48 Separate fuel tanks ✓

Donkey boilers APP 8.2.48 General pumping arrangements 12.3.49 Pumping arrangements in machinery space 29.4.49

Oil fuel burning arrangements 2.8.49

Have Torsional Vibration characteristics been approved Yes (Hydraulic speed 115 R.P.M) Date of approval 20.3.48

SPARE GEAR.

Has the spare gear required by the Rules been supplied Yes, and on for attended list

State the principal additional spare gear supplied Spare screw shaft and spare C.A. propeller.

Lloyds
S.H. 220A
W.H.
23.3.49
N.C.V.
29.6.49

The foregoing is a correct description, **FOR HARLAND AND WOLFF, LIMITED.** Manufacturer.

Dates of Survey while building: During progress of work in shops - - 1948 APR. 14-25-27-28. MAY. 2-4-5-11-16-18-20-25-30. JUN. 1-2-6-15-29. JUL. 21-27-28. AUG. 1-2-4-12-23-29-31. During erection on board vessel - - SEP. 1-7-8-13-14-15-19-21-28-29. OCT. 5-6-10-12-13-17-19-20-24. NOV. 8-27-9-10-14-16-17-22-28-29. DEC. 1-5-7-8-12-14. 15-19-21-23-27-28-29. 1949 JAN. 5-11-13-16-18-19-23-25-26-30. FEB. 2-6-12-16-22.

Dates of examination of principal parts—Cylinders 18.5.49 Covers 18.5.49 Pistons 1.6.49 Rods 1.6.49 Connecting rods 4.8.49

Crank shaft 16.5.49 Flywheel shaft ✓ Thrust shaft 11.5.49 Intermediate shafts 21.4.49 Tube shaft ✓

Screw shaft 15.6.49 Propeller 22.1.49 Stern tube 1.6.49 Engine seatings 26.8.49 Engine holding down bolts 12.1.50

Completion of fitting sea connections 21.11.49 Completion of pumping arrangements 16.2.50 Engines tried under working conditions 22.2.50

Crank shaft, material S.S Identification mark Lloyds 18918 & 182 marks Flywheel shaft, material ✓ Identification mark ✓

Thrust shaft, material S.S Identification mark Lloyds 2334 Intermediate shafts, material Lloyds 55.1810 Identification marks ✓

Tube shaft, material ✓ Identification mark ✓ Screw shaft, material S.S Identification mark Lloyds S.H. 221

Identification marks on air receivers No 456/4. Lloyds' Test 5841.85/10. W.P. 3561.85/10. R.O.B. 10.10.49.

Welded receivers, state Makers' Name Harland & Wolff Ltd, Belfast

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 Water and steam foam 2x 10 gallons; 10x 2 gallons

Is the vessel (not being an oil tanker) fitted for carrying oil as cargo OIL TANKER ✓ 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 British Copraen "Argo" No 1394

General Remarks (State quality of workmanship, opinions as to class, &c.)
The machinery which has been constructed under Special Survey in accordance with the Rules, Approved Plans Secretary's letter, has been efficiently secured in position in this vessel, tried under full power conditions satisfactorily.
The materials and workmanship are good.
Eligible in my opinion to be Classed in The Register Book with record L.M.C 2.50, and notation T.S.C. & and D.B. working pressure 150 lbs/sq. "Oil Engines"

Remaining forging reports common to 13989 and yard no 1399 to follow, will be forwarded on completion
Approved Plans already forwarded to London with Rpt 9205 No 1st Arg yard no 1394 "British Copraen"

The amount of Entry Fee 1/6 ... £ 214 : -
Special ... £ : -
Donkey Boiler Fee Sec 8274 No 14875 ... £ : -
Travelling Expenses (if any) £ : -

When applied for 5 MAR 1950 19
When received 19

R. C. Christie
Engineer Surveyor to Lloyd's Register of Shipping

Committee's Minute GLASGOW - 8 MAR 1950
Assigned + LMC 2.50.

208 - 150 lb. Oil Eng.

