

4B 3570A

AIR RECEIVERS: - Have they been made under survey *Yes.* State No. of Report or Certificate *C. 580.*

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 Actual

Starting Air Receivers, No. *1* Total cubic capacity *23.4 cu.ft.* Internal diameter *2'-6"* thickness *3/8"*

Seamless, lap welded or riveted longitudinal joint *Seamless* Material *S.M. steel* Range of tensile strength *26-30* Working pressure by Rules *Appd.* Actual *300*

IS A DONKEY BOILER FITTED? *✓* If so, is a report now forwarded? *✓*

Is the donkey boiler intended to be used for domestic purposes only *✓*

PLANS. Are approved plans forwarded herewith for Shafting *4.8.39* Receivers *5.5.38* Separate Fuel Tanks *15.2.41*

Donkey Boilers *✓* General Pumping Arrangements *9.7.41* Pumping Arrangements in Machinery Space *9.7.41*

Oil Fuel Burning Arrangements

SPARE GEAR.

Has the spare gear required by the Rules been supplied *Yes, except set of spare valves for one cylinder.*

State the principal additional spare gear supplied *To admiralty requirements.*

COMPANHIA UNIAO FABRIL

The foregoing is a correct description.

See a Mendy

Manufacturer.

Dates of Survey while building { During progress of work in shops - *✓ See Nottingham Rpt. No. 25.*
During erection on board vessel - *1942 May: 15. 19. 20. 26 June: 4. 17. 22. 23. 24. 25. 29.*
Total No. of visits *28.* July: 1. 4. 14. 15. 16. 18. 20. 21. 22. 27. 28. 29. 30. Aug: 1. 3. 5. 12.

Dates of Examination of principal parts - Cylinders *30.7.42* Covers *30.7.42* Pistons *30.7.42* Rods - Connecting rods *30.7.42*

Crank shaft *30.7.42* Flywheel shaft - Thrust shaft *30.7.42* Intermediate shafts *30.7.42* Tube shaft *4.6.42*

Screw shaft *4.6.42* Propeller *4.6.42* Stern tube *4.6.42* Engine seatings *14.7.42* Engines holding down bolts *14.7.42*

Completion of filling sea connections *8.6.42* Completion of pumping arrangements *14.7.42* Engines tried under working conditions *29.7.42*

Crank shaft, Material *S.M. steel* Identification Mark *321 AWT. 27.11.41* Flywheel shaft, Material - Identification Mark -

Thrust shaft, Material *✓* Identification Mark - Intermediate shafts, Material - Identification Marks -

Tube shaft, Material Identification Mark - Screw shaft, Material - Identification Mark -

Identification Marks on Air Receivers *B 2838*
44003 TEST
600 lbs/50.INS.
W.P. 300 lb./50.INS.
JNS 15.12.41

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 -

Is the vessel (not being an oil tanker) fitted for carrying oil as cargo *No* 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 *PORT JACKSON. PORT MADOC.*

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

The above machinery has now been satisfactorily fitted on board this vessel in accordance with the approved plans, the Secretary's letters & the Society's Rules.

The materials and workmanship are good. Mooring and sea trials were satisfactory. One air receiver, instead of two, fitted; see Sec. letter 3.7.42.

Two non-return valves for the lubricating oil lines of the gears and engine did not arrive and temporary tee-pieces have been fitted with reversible flange flanges. Arrangements have been made for these to be fitted on the vessel's arrival at the U.K.

The machinery of this vessel is eligible in my opinion to be classed with record of +L 8.42, TS(OG) & to have the notations "Oil Eng." "Mech. aff." in the Register Book subject to the amount of Entry Fee being supplied and N.R. oil valves, and one air Receiver being fitted on arrival at the U.K.

Special ...
Donkey Boiler Fee *Inclusive in Rpt.*
Travelling Expenses (if any) *see Rpt.*

When applied for, ...
When received, ...

Committee's Minute *FRI 28 AUG 1942*

Assigned *+ Lmb. 8.42 Subject Oldy. O.G.*



(The Surveyors are requested not to write on or below the space for Committee's Minute.)

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