



**AIR RECEIVERS:**—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*

**High Pressure 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.** *None* Total cubic capacity *✓* Internal diameter *✓* thickness *✓*

Seamless, lap welded or riveted longitudinal joint *✓* Material *✓* Range of tensile strength *✓* Working pressure *✓*  
by Rules *✓*  
Actual *✓*

**IS A DONKEY BOILER FITTED?** *no* 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 *13-2-35* Receivers *21-7-32* Separate Fuel Tanks *5/12-37, 26/1-30*  
(If not, state date of approval) *7-8-37*

Donkey Boilers *✓* General Pumping Arrangements *1-9-37* Pumping Arrangements in Machinery Space *4-2-38*

Oil Fuel Burning Arrangements *5/12-37*

**SPARE GEAR.**

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

State the principal additional spare gear supplied *✓*

The foregoing is a correct description,

Manufacturer.

Dates of Survey while building { During progress of work in shops - - }  
{ During erection on board vessel - - } *Dec 20, Jan 6, 8, 27, Feb 2, 10, 21, 23, 26*  
Total No. of visits *9*

Dates of Examination of principal parts—Cylinders *✓* Covers *✓* Pistons *✓* Rods *✓* Connecting rods *✓*

Crank shaft *✓* Flywheel shaft *✓* Thrust shaft *✓* Intermediate shafts *✓* Tube shaft *✓*

Screw shaft *✓* Propeller *✓* Stern tube *✓* Engine sealings *✓* Engines holding down bolts *✓*

Completion of fitting sea connections *✓* Completion of pumping arrangements *✓* Engines tried under working conditions *✓*

Crank shaft, Material *✓* Identification Mark *✓* Flywheel shaft, Material *✓* Identification Mark *✓*  
Thrust shaft, Material *S.M. Steel* Identification Mark *LLLOYDS AB 300 12-7-37* Intermediate shafts, Material *S.M. Steel* Identification Marks *LLLOYDS HB 2551 12-7-37*  
Tube shaft, Material *✓* Identification Mark *✓* Screw shaft, Material *S.M. Steel* Identification Mark *LLLOYDS HB 2030 AD 7-1-30*

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 *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 *no* If so, state name of vessel *✓*

**General Remarks** (State quality of workmanship, opinions as to class, &c. *The vessels machinery has been*

*made and fitted in accordance with the approved plans, Society's Rules and Secretary's letters. Main and auxiliary machinery have been tried under full working conditions and was found in good working order and is in my opinion eligible for the record of + I.M.C. 2-38 oil engine in the Society's Registerbook. Safety valves have been fitted to the cylinder heads.*

The amount of Entry Fee *fee paid at Sunderland* When applied for, *1938*

Special ... £71.57.40 *11.37.16.3*

Donkey Boiler Fee ... £ : When received, *1938*

Travelling Expenses (if any) £ *4.-* *28/2* *1938*

Committee's Minute *FRI 25 MAR 1938*

Assigned *+ donk. 2.38 oil fuel*

*J. Williams*  
Engineer Surveyor to Lloyd's Register of Shipping.



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

Tube Shaft, diameter *as per Rule* ..... Screw Shaft, diameter *as per Rule* ..... Is the { tube } shaft fitted with a continuous liner {  
*as fitted* ..... *as fitted* ..... Is the { screw } shaft fitted with a continuous liner {  
 Tube Shaft, diameter *as fitted* ..... Screw Shaft, diameter *as fitted* ..... Is the { screw } shaft fitted with a continuous liner {

Bronze Liners, thickness in way of bushes *as per Rule* ..... Thickness between bushes *as per rule* ..... Is the after end of the liner made watertight in the  
*as fitted* ..... *as fitted* ..... *as fitted* .....

Propeller boss *yes* ..... If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner .....

If the liner does not fit tightly at the part between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive .....

If two liners are fitted, is the shaft lapped or protected between the liners ..... Is an approved Oil Gland or other appliance fitted at the after end of the tube  
*Roller date* ..... *30th March 1921* .....

Shaft ..... If so, state type ..... Length of Bearing in Stern Bush next to and supporting propeller .....

Propeller, dia. ..... Pitch ..... No. of blades *attached* ..... Material *at* ..... whether Moveable *front* ..... Total Developed Surface *sq. feet* .....

Method of reversing Engines ..... Is a governor or other arrangement fitted to prevent racing of the engine when declutched ..... Means of lubrication .....

Thickness of cylinder liners ..... Are the cylinders fitted with safety valves ..... Are the exhaust pipes and silencers water cooled or lagged with .....

Non-conducting material ..... If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned back to the engine .....

Bilge Pumps worked from the Main Engines, No. *one* ✓ Diameter *100mm* ✓ Stroke *85mm* ✓ Can ~~be~~ be overhauled while ~~working~~ is at work *yes* ✓

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 5100-186800-576800  
 008973-008981-0015  
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Manufacturer.

Dates of Survey while building { During progress of work in shops - - }  
{ During erection on board vessel - - - }  
Total No. of visits

Dec 20, Jan 6-0-27, Feb 2-16-21-23-26

9

Dates of Examination of principal parts—Cylinders ✓ Covers ✓ Pistons ✓ Rods ✓ Connecting rods ✓

Crank shaft ✓ Flywheel shaft ✓ Thrust shaft 2/2-30 Intermediate shafts 2/2-30 Tube shaft ✓

Screw shaft 6/1-30 Propeller 6/1-30 Stern tube 6/1-30 Engine seatings 2/2-30 Engines holding down bolts 2/2-30

Completion of fitting sea connections 8/1-30 Completion of pumping arrangements 23/2-30 Engines tried under working conditions 23/2-30

Crank shaft, Material Identification Mark 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

Have the requirements of the Rules for oil fuel pipes and tank fittings been complied with *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 *no* If so, have the requirements of the Rules been complied with ✓