



4B 18786.

**AIR RECEIVERS:**—Have they been made under survey Yes State No. of report or certificate Of L. 3247/3250  
 State full details of safety devices Safety valves fitted  
 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.** 2 Total cubic capacity 1240 h Internal diameter 502 mm thickness 9.5 mm  
 Seamless, welded or riveted longitudinal joint Seamless Material S.M. Steel Range of tensile strength 34.2-48.5 kg/cm<sup>2</sup> Working pressure 30 atm  
34.8-48.1 kg/cm<sup>2</sup>

**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 13-3-53 Receivers 13-3-53 Separate fuel tanks ✓  
 (If not, state date of approval)  
 Donkey boilers ✓ General pumping arrangements ✓ Pumping arrangements in machinery space ✓  
 Oil fuel burning arrangements ✓

Have Torsional Vibration characteristics been approved Yes Date and particulars of approval 13-3-53  
12-11-52  
**SPARE GEAR.**

Has the spare gear required by the Rules been supplied ✓ State if for "short voyages" only ✓  
 State the principal additional spare gear supplied ✓

The foregoing is a correct description, WERKSPOR N.V. Manufacturer.

Dates of Survey while building  
 During progress of work in shops - 1952: 11/4 - 17/5 - 31/5 - 6/6 - 11/6 - 23/6 - 13/10  
 During erection on board vessel - - -  
 Total No. of visits 7  
 Dates of examination of principal parts—Cylinders 11/4 Covers 11/6 Pistons 6/6 Rods ✓ Connecting rods 31/4  
 Crank shaft 31/5-52 Flywheel shaft ✓ Thrust shaft 13/7-49 Intermediate shafts ✓ Tube shaft ✓  
 Screw shaft ✓ Propeller ✓ Stern tube ✓ Engine seatings ✓ Engine holding down bolts ✓  
 Completion of fitting sea connections ✓ Completion of pumping arrangements ✓ Engines tried under working conditions 12/10  
 Crank shaft, material S.M. Steel Identification mark Lloyds no. 16901 KK Flywheel shaft, material ✓ Identification mark ✓  
 Thrust shaft, material S.M. Steel Identification mark Lloyds no. 6293 Intermediate shafts, material ✓ Identification marks ✓  
 Tube shaft, material ✓ Identification mark ✓ Screw shaft, material ✓ Identification mark ✓  
 Identification marks on air receivers nos 2/3 - 3/5. Lloyds Test T.P. 60 atm. W.P. 30 atm. M.S.A. 26/2-52.

Welded receivers, state Makers' Name Rheinische Röhrenwerke AG. of Düsseldorf - Hierenfeld  
 Is the flash point of the oil to be used over 150°F ✓  
 Have the requirements of the Rules for oil fuel pipes and tank fittings been complied with ✓  
 Full description of fire extinguishing apparatus fitted in machinery spaces ✓  
 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 ✓  
 What is the special notation desired ✓  
 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 ✓ If so, state name of vessel ✓

**General Remarks** (State quality of workmanship, opinions as to class, Speed restrictions, &c.)  
This engine has been built under Special Survey in accordance with approved plans, Society Rules and Secretary's letters. All materials have been tested as required and the workmanship found good. The engine has been tried on makers Testbed under full load conditions and found working satisfactorily.  
In my opinion the vessel for which this engine is intended will be eligible for the notation L.M.C. (with date) when fitted and examined on board.  
Copy certificates of crankshaft, Thrustshaft and airreceivers attached

The amount of Entry Fee ... fl. 341. :  
 Special ... £ :  
 Donkey Boiler Fee... £ :  
 Travelling Expenses (if any) fl. 50. :  
 When applied for 2-4 1953  
 When received 19  
 Engineer Surveyor to Lloyd's Register of Shipping [Signature]  
 © 2021  
 LLOYD'S REGISTER FOUNDATION  
 Committee's Minute THURSDAY 29 OCT 1953  
 Assigned See pgt 46.

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