





AIR RECEIVERS:—Have they been made under survey yes State No. of Report or Certificate Certificates of material attached  
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 by manhole Is a drain fitted at the lowest part of each receiver yes  
Air whistle yes  
Injection Air Receivers, No. 1 Cubic capacity of each 0.5 m<sup>3</sup> Internal diameter 700 mm thickness 8 mm  
Seamless, lap welded or riveted longitudinal joint riveted Material S-TC-Steel Range of tensile strength 41-47 kg/mm<sup>2</sup> Working pressure by Rules 8 kg/cm<sup>2</sup>  
Actual 8 kg/cm<sup>2</sup>  
Starting Air Receivers, No. two Total cubic capacity each 10 m<sup>3</sup>/h. Internal diameter 1750 mm thickness 24.5 mm  
Seamless, lap welded or riveted longitudinal joint riveted Material S-TC-Steel Range of tensile strength shell 44/50 kg/mm<sup>2</sup> Working pressure by Rules 25 kg/cm<sup>2</sup>  
Actual 25 kg/cm<sup>2</sup>

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 —

PLANS. Are approved plans forwarded herewith for Shafting 25.8.36 8.10.36 Receivers 27.6.36 29.8.35 Separate Fuel Tanks 4.12.36 16.12.36  
(If not, state date of approval)  
Donkey Boilers 14.5.36 3.9.36 General Pumping Arrangements 26.11.36 13.12.36 Pumping Arrangements in Machinery Space 30.9.38  
Oil Fuel Burning Arrangements 8.3.37

#### SPARE GEAR.

Has the spare gear required by the Rules been supplied yes  
State the principal additional spare gear supplied 2 pistons, 2 cylinder covers, 2 upper & 2 lower cylinder liners,  
6 starting valves, 6 safety valves, 2 bronze propellers, 2 propeller shafts, marked: LLOYD'S 159 H.S. 25.1.38  
LLOYD'S 1819 L.S. 27.1.38.

The foregoing is a correct description.

Manufacturer.

Please see Augsburg Report dated 23<sup>rd</sup> Dec. 1938.  
Dates of Survey while building { During progress of work in shops - - { 1938, August 22, Sept. 4, 15, 20, 17, 21, 22, 23, 29, Oct. 1, 8, 12, 15, 20, 21, 22, 26, 29, Nov. 1, 7, 10, 12, 17, 19, 21, 24, 25  
Dec. 2, 7, 9, 12, 14, 16, 21, 28, 30  
During erection on board vessel - - { 1938 Nov. 15, 18, 22, 23, Dec. 3, 6, 8, 10, 13, 15, 17, 20, 27, 29, 1939, Jan. 4, 7, 11, 13, 16, 18, 20, 23, 24, 26, 27  
Total No. of visits 61

Dates of Examination of principal parts—Cylinders Please - Covers all Pistons Augsbg - Report Connecting rods dated 23.12.38  
Crank shaft — Flywheel shaft — Thrust shaft 21.11.38 Intermediate shafts 21.11.38 Tube shaft —  
Screw shaft 21.11, 21.12, 25.1.39, 2.12.38 Propeller — Stern tube 21.12.11.38 Engine seatings 23.11.38 Engines holding down bolts 11.1.39  
Completion of fitting sea connections 9.12.38 Completion of pumping arrangements 18.1.39 Engines tried under working conditions 24.26 & 31.1.39  
Crank shaft, Material S-TC-Steel Identification Mark PORT: LLOYD'S 1382 H.S. 25.1.38 Flywheel shaft, Material — Identification Mark —  
Thrust shaft, Material S-TC-Steel Identification Mark STARBD: LLOYD'S 161 H.S. 25.1.38 Intermediate shafts, Material S-TC-Steel Identification Mark LLOYD'S 1822 L.S. 27.1.38  
Tube shaft, Material S-TC-Steel Identification Mark LLOYD'S 1818 L.S. 27.1.38 Screw shaft, Material S-TC-Steel Identification Mark STARBD: 1820 L.S. 27.1.38  
Identification Marks on Air Receivers: for air whistle: Boiler No. 825 for starting air: Boiler No. 760/761.  
No. 1090 No. 1100/1101  
LLOYD'S TEST LLOYD'S TEST  
16 KG/CM<sup>2</sup> 555 LBS  
W.P. 8 KG/CM<sup>2</sup> W.P. 355 LBS  
H.R. 22.10.38. H.R. 29.10.38.

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 —  
Is this machinery duplicate of a previous case yes If so, state name of vessel NUEVA GRANADA, Hamburg Rep. 22304.

General Remarks (State quality of workmanship, opinions as to class, &c.) The two main heavy oil engines have been built at Augsburg under Special Survey of the Society's Inspectors.

Material and workmanship of this machinery are of good quality and the outfit is ample.  
It has been fitted under Special Survey at Hamburg in accordance with the approved plans, the Secretary's letters and otherwise in conformity with the requirements of the Rules.  
During the trial trip the machinery has given satisfaction under full working and manoeuvring conditions.

The machinery is eligible in my opinion to be classed with notation in the Register Book of  
**LMC 1.39. Oil Eng. TS (CL).**

The amount of Entry Fee 1/5 £ RMC : 24- : When applied for, 10.2.1939  
Special ... 1/5 £ RMC : 517- :  
Donkey Boiler Fee ... £ RMC : 705- : When received, 24.3.1939  
3 AIR RECEIVERS ... 210- :  
Travelling Expenses (if any) £ 11 : 64- :

Committee's Minute

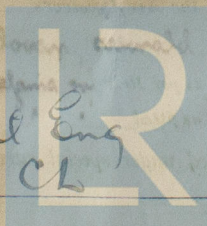
Assigned

+ LMC 1.39

FRI. 24 FEB 1939

2 DB 171 lb

2 DB (WT) 171 lb



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Lloyd's Register Foundation

Jb. Rohrs

Engineer Surveyor to Lloyd's Register of Shipping.