

AUXILIARY

REPORT ON OIL ENGINE MACHINERY.

No. 7854.

Rpt. 4b

31 DEC 1928

Date of writing Report 15/12 1928 When handed in at Local Office 28 Port of Copenhagen Date, First Survey 1/12 1927 Last Survey 2/12 1928

No. in Survey held at 052 on the Single Triple Quadruple Screw vessel "SANDAR." Built at Copenhagen By whom built P. Bunnister & Wain Yard No. 549 When built 1928

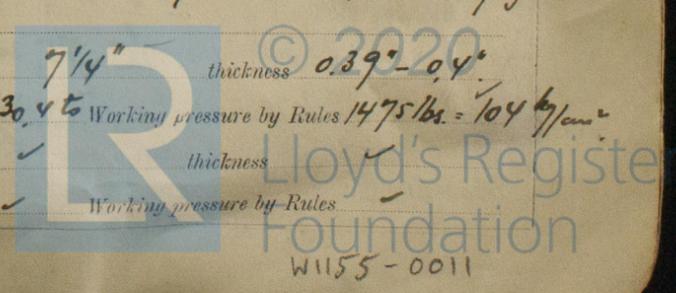
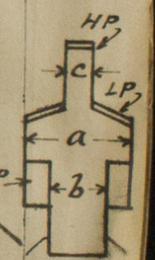
Vertical Diesel trunk type 2 or 4 stroke cycle 4 Single or double acting single Maximum pressure in cylinders 35 kg/cm² Diameter of cylinders 310 mm Length of stroke 350 mm No. of cylinders 2 No. of cranks 2

Intermediate Shafts, diameter as per Rule as fitted Thrust Shaft, diameter at collar as per Rule as fitted Is the tube shaft fitted with a continuous liner

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

Propeller, dia. Pitch No. of blades Material whether Moveable Total Developed Surface sq. feet Method of reversing Engines Is a governor or other arrangement fitted to prevent racing of the engine when declutched

Air Compressors, No. 2 No. of stages 3 Diameters 3/8 285 78 Stroke 170 mm Driven by auxiliary engine RECEIVERS: Is each receiver, which can be isolated, fitted with a safety valve as per Rule yes



IS A DONKEY BOILER FITTED? *yes 2 of* If so, is a report now forwarded? *yes.*  
 PLANS. Are approved plans forwarded herewith for Shafting *yes.* Receivers *yes.* Separate Tanks *yes.*  
 Donkey Boilers *yes.* General Pumping Arrangements *yes.* Oil Fuel Burning Arrangements *yes.*  
 SPARE GEAR *as per accompanying list*

The foregoing is a correct description,

AKTIESELSKABET  
 HOLEBY DIESEL MOTOR FABRIK

Manufacturer.

Dates of Survey while building  
 During progress of work in shops - *1/12 5/12 7/12 9/12 14/12 27 6/3 22/5 19/6 18/8 28.*  
 During erection on board vessel - *1/11 3/11 7/11 16/11 24/11 26/11 28/11 1/12 2/12 28.*  
 Total No. of visits *18.*

Dates of Examination of principal parts—Cylinders *and* Covers *22/5* Pistons *6/3* Rods ✓ Connecting rods *14/12*  
 Crank shaft *14/12 6/3* Flywheel shaft ✓ Thrust shaft ✓ Intermediate shafts ✓ Tube shaft ✓  
 Screw shaft ✓ Propeller ✓ Stern tube ✓ Engine seatings *20/9 4/10* Engines holding down bolts *7/11*  
 Completion of fitting sea connections ✓ Completion of pumping arrangements ✓ Engines tried under working conditions *18/8 28/11*  
 Crank shaft, Material *S.M. steel.* Identification Mark *LLOYD'S No 8970-2* 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 ✓

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 ✓  
 Is this machinery duplicate of a previous case ✓ If so, state name of vessel ✓

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

*These auxiliary engines have been built under special survey and in accordance with the rules and plan of shafts, the Society's Rules and the requirements contained in the Surveying Regulations dated 17-10-27.*

*The material used for the construction has been tested and examined as required by the Rules and found good and the workmanship is of good description throughout.*

*Each engine is working a 60 knots. dynamometer and after being fitted on board the vessel under our supervision and to our satisfaction the engines were tested under full power working conditions and found to work satisfactorily.*

The amount of Entry Fee ... £ : : When applied for,  
 Special ... *1/2 200.00* : : *22/10 1928*  
 Donkey Boiler Fee ... £ : : When received,  
 Travelling Expenses (if any) *1/2 75.00* : : *25/10 1928.*

Committee's Minute

WED. 2 JAN 1929

Assigned

*See Report attached*

Engineer Surveyor to Lloyd's Register of Shipping



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