

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 11348

27 OCT 1941

Report made at 20th August 1941 When handed in at Local Office 19 Port of Copenhagen
 Survey held at Holstebro & Elinore Date, First Survey 11th September 39 Last Survey 20th August 1941
 Number of Visits 22

Single Triple Screw vessel "EROS" Tons { Gross ✓ Net ✓
 By whom built 5/3 Helsingfors Jernskibs- og Maskinbyggeri Yard No. 266 When built 1941
 Port belonging to Helsingborg
 By whom made Holstebro Diselmot. Fabriks A/S Contract No. 3339 When made 1941
 By whom made Thomas B. Thinge Contract No. 234839 When made 1941
 Engine Brake Horse Power 90 Nom. Horse Power as per Rule 19 Total Capacity of Generators 60 Kilowatts.

INES, &c.—Type of Engine Vertical Diesel Frank piston type 2 or 4 stroke cycle 4 Single or double acting single
 Pressure in cylinders 40 kg/cm² Diameter of cylinders 205 mm Length of stroke 300 mm No. of cylinders 3 No. of cranks 3
 Cranks, adjacent to the Crank, measured from inner edge to inner edge 253 mm Is there a bearing between each crank yes
 Revolutions per minute 540 Flywheel dia. 1080 mm Weight 1200 kg Means of ignition compression Kind of fuel used Canada oil
 as per Rule 111 mm Mid. length 295 mm Thickness parallel to axis ✓
 as fitted 125 mm Crank pin dia. 125 mm Crank Webs 65 mm shrunk Thickness around eyehole ✓
 as per Rule ✓ Intermediate Shafts, diameter as per Rule ✓ Thickness of cylinder liners 17 mm
 as fitted ✓

or other arrangement fitted to prevent racing of the engine when decoupled yes Means of lubrication forced
 Are the exhaust pipes and silencers water cooled or lagged with non-conducting material lagged
 Water Pumps, No. 2 off electric driven 10-12 l/min. Is the sea suction provided with an efficient strainer which can be cleared within the vessel yes
 Oil Pumps, No. and size 1 off 1.8 l/min.

Compressors, No. ✓ No. of stages ✓ Diameters ✓ Stroke ✓ Driven by ✓
 Air Pumps, No. ✓ Diameter ✓ Stroke ✓ Driven by ✓

RECEIVERS:—Have they been made under Survey ✓ State No. of Report or Certificate ✓

Receiver, which can be isolated, fitted with a safety valve as per Rule ✓
 Internal surfaces of the receivers be examined ✓ What means are provided for cleaning their inner surfaces ✓

Drain arrangement fitted at the lowest part of each receiver ✓
 Pressure Air Receivers, No. ✓ Cubic capacity of each ✓ Internal diameter ✓ thickness ✓
 Lap welded or riveted longitudinal joint ✓ Material ✓ Range of tensile strength ✓ Working pressure by Rules ✓
 Air Receivers, No. ✓ Total cubic capacity ✓ Internal diameter ✓ thickness ✓
 Lap welded or riveted longitudinal joint ✓ Material ✓ Range of tensile strength ✓ Working pressure by Rules ✓

RIC GENERATORS:—Type Drip proof vertical
 Voltage of supply 220 volts. Full Load Current 273 Amperes. Direct or Alternating Current Direct
 Regulating current system, state the periodicity ✓ Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on and off yes
 Are they compounded as per rule yes Is an adjustable regulating resistance fitted in series with each yes
 Are all terminals accessible, clearly marked, and furnished with sockets yes
 Are the lubricating arrangements of the generators as per Rule yes
 Are the generators under 100 kw. full load rating, have the Makers supplied certificates of test yes and do the results comply with the requirements yes
 Are the generators 100 kw. or over have they been built and tested under survey ✓

S. Are approved plans forwarded herewith for Shafting yes Receivers ✓ Separate Tanks ✓
 (If not, state date of approval)

GEAR as per Rules

The foregoing is a correct description.

HELSINGBORG JERNSKIBS- OG MASKINBYGGERI Manufacturer.
Talafjorden



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W278-0124

Dates of Survey while building { During progress of work in shops - - } 11/9-16/9-39 14/3-28/3-30/8-5/9-19/9-16/10-40
 { During erection on board vessel - - - } 21/5-10/6-12/6-14/6-23/6-9/7-25/7-29/7-7/8-13/8-16/8-20/8-41
 Total No. of visits 22

Dates of Examination of principal parts—Cylinders and Covers 30/8-19/9-40 Pistons 30/8-40 Piston rods
 Connecting rods 11/9-16/9-39-14/6-40 Crank and Flywheel shafts 14/3-28/3-14/6-40 Intermediate shafts
 Crank and Flywheel shafts, Material S. C. I. Steel Identification Marks LLOYD'S 7952114
 Intermediate shafts, Material Identification Marks
 Identification marks on Air Receivers

Is this machinery duplicate of a previous case *yes* If so, state name of vessel *Holby Standard engine*

General Remarks (State quality of workmanship, opinions as to class, &c. *The above generating set constructed and fitted under Special Survey in accordance with Rule, the approved plans and the requirements contained in Secretary's letter E dated 14.39 respecting Holby Standard engine. The material used in construction has been tested as required by the Rules and the workmanship is good.*

Im. 11.37.—Transfer. (MADE IN ENGLAND.)
 (The Surveyors are requested not to write on or below the space for Committee Minute.)

The amount of Fee ... £
 Travelling Expenses (if any) £
 When applied for, 19...
 When received, 19...

FRL 31 OCT 1941

Committee's Minute

Assigned

See Opn. J.E. 11348



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J. Langhorne
 Surveyor to Lloyd's Register of Shipping.