

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 11348

Received at London Office

27 OCT 1941

Report made at 20th August 1941 When handed in at Local Office

Port of Copenhagen

Date, First Survey 25th August 39 Last Survey 20th August 1941

Number of Visits 21

Single the Triple Screw vessel "EROS"

Tons { Gross ☒ Net ☒

made at Odense

By whom built af Leisingers Jernskibs- og Maskinbyggeri

Yard No. 266 When built 1941

Port belonging to Fläskingborg

By whom made Leisingers Jernskibs- og Maskinbyggeri

Contract No. 3340-41 When made 1941

By whom made Thomas B. Thirge

Contract No. 234861-62 When made 1941

2 Engine Brake Horse Power 2x120 Nom. Horse Power as per Rule 51 Total Capacity of Generators 2x80 Kilowatts.

INES, &c. Type of Engines Vertical Diesel Frank piston type Solid injection 2 or 4 stroke cycle 4 Single or double acting single

Pressure in cylinders 40 kg/cm² Diameter of cylinders 206 mm Length of stroke 300 mm No. of cylinders 4 No. of cranks 4

Is there a bearing between each crank yes

Kind of fuel used Crude oil

Means of ignition compression

Intermediate Shafts, diameter as per Rule

Means of lubrication forced

Are the exhaust pipes and silencers water cooled or lagged with non-conducting material lagged

Is the sea suction provided with an efficient strainer which can be cleared within the vessel yes

Oil Pumps, No. and size one off each engine 1.8 lps.

Air Pumps, No. 2 State No. of Report or Certificate 2470

RECEIVERS: Have they been made under Survey yes

What means are provided for cleaning their inner surfaces yes

Arrangement fitted at the lowest part of each receiver yes

Air Receivers, No. 1 Cubic capacity of each 115 litres Internal diameter 321 mm thickness 7 mm

Material Salt Steel Range of tensile strength 50.7 kg/mm² Working pressure by Rules 41.8 kg/cm²

IC GENERATORS: Type Drip proof vertical

supply 220 volts. Full Load Current 2x364 amperes. Direct or Alternating Current direct

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

Are all terminals accessible, clearly marked, and furnished with sockets yes

Are the lubricating arrangements of the generators as per Rule yes

Are the results comply with the requirements yes

Are approved plans forwarded herewith for Shafting yes

GEAR as per Rules.

The foregoing is a correct description.

ACTIESELSKABET
HELSINGBORS JERNSKIBS- OG MASKINBYGGERI
Talsfjergensen

Manufacturer.



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Lloyd's Register

W278-1026 Foundation

Dates of Survey while building { During progress of work in shops - - } 25/11-29/11-39-14/6-30/8-5/9-14/9-19/9-16/10 40
 { During erection on board vessel - - - } 2/5-10/6-12/6-14/6-23/6-9/7-20/7-29/7-7/8-13/8-16/8-20/8 41
 Total No. of visits 21

Dates of Examination of principal parts—Cylinders and Covers 30/8-5/9-19/9-40 Pistons 30/8-40 Piston rods -
 Connecting rods 25/11-29/11-39-14/6-40 Crank and Flywheel shafts 30/8-14/9-19/9-40 Intermediate shafts -
 Crank and Flywheel shafts, Material S. Ct. S. Steel Eng No 3340 3341
 Identification Marks LLOYD'S No 5398 5399
 Intermediate shafts, Material - Identification Marks 4 19.9.40

Identification marks on Air Receivers No 2470
 LLOYD'S TEST
 7/11/40
 H.P. 355.5 lbs
 V.S. 29.11.39

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 above generating sets have been constructed and fitted under Special Survey in accordance with the Rules at the approved places and to our satisfaction.
 The material used in construction has been tested as required by the Rules and the workmanship is good.

Rpt. 13.

Date of writing Report
 No. in Survey Reg. Book.

Built at
 Owners

Electrical Installation
 Is vessel fitted

Have plans been

Heating

has the governing

trip switch as per

if not compound

arranged to run

position

test for machines

of the generators

near unprotected

injury and damage

contact

are they in access

and oil

material is used

semi-insulating

Is the construction

to pilot and earth

side of switches

circuit

and for each out

Are compartments

ammeters

equaliser connect

1137.—Transfer. (MADE IN ENGLAND.)
 The Surveyors are requested not to write on or below the space for Committee Minutes.

Amounts 3339-40-41
 The amount of Fee ... 492.50
 Travelling Expenses (if any) 112.00
 When applied for, 14/11 19 40
 When received, 20/11 19 40
 FRI. 31 OCT 1941

Committee's Minute

Assigned

See Cpn. J.C. 11348

J. Langhille Jones
 Surveyor to Lloyd's Register of Shipping.



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