

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 10,043.

Date of writing Report 13th October 1936 When handed in at Local Office 19 Port of Copenhagen Received at London Office 17 OCT 6
 No. in Survey held at Holeby Date, First Survey 10th September Last Survey 9th October 1936
 Reg. Book. Number of Visits 2

Single on the Twin Triple Quadriple Screw vessel Trawler "FINLANDE" Tons { Gross - Net -

Built at Grand Quevilly By whom built Chantiers de Normandie Yard No. 78 When built 1936

Owners Joseph Lurel & Cie, Bordeaux Port belonging to -

Oil Engines made at Holeby By whom made L. Burmeister & Wain Contract No. 2673 When made 1936

Generators made at Odeus By whom made Thomas B. Thirge Contract No. 227854 When made 1936

No. of Sets 1 Engine Brake Horse Power 35 Nom. Horse Power as per Rule 10.2 Total Capacity of Generators 22.5 Kilowatts.

OIL ENGINES, &c. Type of Engines Vertical Diesel engines ^{Frunk piston} Solid injection or 4 stroke cycle 4 Single or double acting single

Maximum pressure in cylinders 40 kg/cm² Diameter of cylinders 130 mm Length of stroke 180 mm No. of cylinders 4 No. of cranks 4

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 160 mm Is there a bearing between each crank yes

Revolutions per minute 750 mm Flywheel dia. 650 mm Weight 170 kg Means of ignition Air compression Kind of fuel used Crude oil

Crank Shaft, dia. of journals as per Rule 74.4 mm as fitted 85 mm Crank pin dia. 85 mm Crank Webs Mid. length diam. 188 mm Thickness parallel to axis - Mid. length thickness 42 mm Thickness around eyehole -

Flywheel Shaft, diameter as per Rule - as fitted - Intermediate Shafts, diameter as per Rule - as fitted - Thickness of cylinder liners 11 mm

Is a governor or other arrangement fitted to prevent racing of the engine when declutched yes Means of lubrication forced lubrication

Are the cylinders fitted with safety valves yes Are the exhaust pipes and silencers water cooled or lagged with non-conducting material lagged

Cooling Water Pumps, No. 1 off 900 litres/hour the sea suction provided with an efficient strainer which can be cleared within the vessel ✓

Lubricating Oil Pumps, No. and size 1 off 450 litres/hour

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

Scavenging Air Pumps, No. - Diameter - Stroke - Driven by -

AIR RECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule -

Can the internal surfaces of the receivers be examined - What means are provided for cleaning their inner surfaces -

Is there a drain arrangement fitted at the lowest part of each receiver -

High Pressure Air Receivers, No. - Cubic capacity of each - Internal diameter - thickness -

Seamless, lap welded or riveted longitudinal joint - Material - Range of tensile strength - Working pressure by Rules -

Starting Air Receivers, No. - Total cubic capacity - Internal diameter - thickness -

Seamless, lap welded or riveted longitudinal joint - Material - Range of tensile strength - Working pressure by Rules -

ELECTRIC GENERATORS:—Type Drip proof ventilated

Pressure of supply 220 volts. Load 102 Amperes. Direct or Alternating Current Direct

If alternating current system, state frequency of periods per second -

Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off yes

Generators, do they comply with the requirements regarding rating yes are they compound wound yes

are they over compounded 5 per cent. yes, if not compound wound state distance between each generator -

is an adjustable regulating resistance fitted in series with each shunt field yes Are all terminals accessible, clearly marked, and furnished with sockets yes

are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched yes Are the lubricating arrangements of the generators as per Rule yes

PLANS. Are approved plans forwarded herewith for Shafting no 2 1/2 - 33 Receivers - Separate Tanks -

PARTS. 1 inlet valve, 1 exhaust valve, 1 fuel valve, 4 fuel valves atomisers

1 delivery valve for oil fuel injection pump with spring, 1 oil fuel injection

pump cylinder with plunger, 4 piston rings, 1 scraping ring, 1 gudgeon

pin, 2 bottom end bolts with nuts, 4 studs for cylinder cover, 2 studs with

nuts for main bearings, 6 brushholders with carbon brushes for generator

1 starting air valve.

The foregoing is a correct description.

AKTIESELSKABET
HOLEBY DIESELMOTOR FABRIK

Manufacturer.

W. Thirge



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Lloyd's Register
Foundation

W243-0081

Dates of Survey while building

During progress of work in shops - -

During erection on board vessel - - -

Total No. of visits

10/9-9/12-1936

2.

Dates of Examination of principal parts—Cylinders 10/9-36 Covers 10/9-36 Pistons 10/9-36 Piston rods -

Connecting rods 10/9-36 Crank and Flywheel shaft 10/9-36 Intermediate shaft -

Crank and Flywheel shafts, Material *S.M. Szigot Steel* Identification Mark *LLOYD'S No 3218 L.J. 10.9.36*

Intermediate shafts, Material - Identification Marks

Is this machinery duplicate of a previous case *yes* If so, state name of vessel *Holy Standard engine Type 4.13*

General Remarks (State quality of workmanship, opinions as to class, &c.) *The above engine has been constructed under special survey in accordance with the Rules, the approved plans of the crank shaft and the requirements contained in the Secretary's letter E dated 22/12-1933*

The materials used in construction have been tested as required by the Rules, and the workmanship is good.

The generator was tested at the maker's works in our presence and the whole set when completed under full power working conditions and found satisfactory.

In 6, 31—Transfer. (The Surveyors are requested not to write on or in the space for Committee Minutes)

The amount of Fee ... *£n. 100.00* When applied for, 16.10.36

Travelling Expenses (if any) *£n. 60.50* When received, 24.10.36

J. Langhila Jensen.
Surveyor Lloyd's Register of Shipping.

Committee's Minute *FRI 30 JUL 1937*

Assigned *Su Rou 1759*

