

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 11146

Received at London Office
 Date of writing Report 28th March 1940 When handed in at Local Office 28th March 1940 Port of Copenhagen
 Date, First Survey 5th October 1938 Last Survey 5th March 1940
 No. in Survey held at 1 Holeby
 Date, First Survey 5th October 1938 Last Survey 5th March 1940
 No. of Sets one Engine Brake Horse Power 20 Nom. Horse Power as per Rule 5.1 Total Capacity of Generators Kilowatts.
 on the Single
 Twin } Screw vessel
 Triple }
 Quadruple }
 built at Gøttrup By whom built A/B Gøttrup Yard No. 544 When built
 Owners
 Oil Engines made at Holeby By whom made Holeby Diesel motor Fabrik Contract No. 3217 When made 1940
 Generators made at By whom made Contract No. When made
 No. of Sets one Engine Brake Horse Power 20 Nom. Horse Power as per Rule 5.1 Total Capacity of Generators Kilowatts.

Vertical Diesel engine Solid injection
 Type of Engines 2 or 4 stroke cycle 4 Single or double acting single
 Maximum pressure in cylinders 49 kg/cm² Diameter of cylinders 130 mm Length of stroke 180 mm No. of cylinders 2 No. of cranks 2
 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 Flywheel dia. 690 mm Weight 230 kg Means of ignition compression Kind of fuel used Diesel oil
 Crank Shaft, dia. of journals as per Rule 71 mm as fitted 85 mm Crank pin dia. 85 mm Crank Webs Mid. length breadth 188 mm Thickness parallel to axis
 Mid. length thickness 42 mm Thickness around eyehole
 Flywheel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule Thickness of cylinder liners 11 mm
 Is a governor or other arrangement fitted to prevent racing of the engine when decelerated yes Means of lubrication forced
 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 750 litres/hr Is the sea suction provided with an efficient strainer which can be cleared within the vessel
 Lubricating Oil Pumps, No. and size 1 off 375 litres/hr.
 Air Compressors, No. No. of stages Diameters Stroke Driven by
 Scavenging Air Pumps, No. Diameter Stroke Driven by

AIR RECEIVERS:—Have they been made under Survey

State No. of Report or Certificate

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

not delivered by Holeby D.M.F.

Pressure of supply

volts.

Full Load Current

Amperes.

Direct or Alternating Current

If alternating 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

Generators, are they compounded as per rule

is an adjustable regulating resistance fitted in series with each

shunt field

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

Are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched

Are the lubricating arrangements of the generators as per Rule

If the generators are under 100 kw. full load rating, have the Makers supplied certificates of test

and do the results comply with the requirements

If the generators are 100 kw. or over have they been built and tested under survey

LANS. Are approved plans forwarded herewith for Shafting

(If not, state date of approval)

no 22/2.33

Receivers.

Separate Tanks

PAIR GEAR / set of studs with nuts for cylinders, / inlet valves, / exhaust valves, / fuel
 valves + / atomisers + / delivery valves + / springs, / starting air valve, / safety valve, / fuel
 pump housing + / plungers, 4 pistons packing rings, / scraping ring, / gudgeon pins
 / top end bushes, / set of bolsters and brasses with bolts + 2 bolts, 2 studs with
 nuts for main bearing, assembled packings.

The foregoing is a correct description.

AKTIESELSKABET
HOLEBY DIESELMOTOR FABRIK

Manufacturer.



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Dates of Survey while building { During progress of work in shops - - } 5/10-7/10-38 15/11-18/11-39 4/2-5/3 40
 { During erection on board vessel - - - }
 Total No. of visits 6

Dates of Examination of principal parts—Cylinders 4/2-40 Covers 4/2-40 Pistons 4/2-40 Piston rods -
 Connecting rods 5/10-7/10-38- 4/2-40 Crank and Flywheel shafts 15/11-18/11-39- 4/2-40 Intermediate shafts -

Crank and Flywheel shafts, Material S. C. S. Steel

Identification Marks LLOYD'S NO 5011 46.2.40

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 *Robt by Standard engine 2.13*
 General Remarks (State quality of workmanship, opinions as to class, &c.) *The above auxiliary engine has been constructed under special survey in accordance with the Rules and the approved plans of the main shaft.*
The material used in construction has been tested as required by the Rules and the workmanship is good.

The amount of Fee ... *£2.75.00* : When applied for, 28.3.1940
 Travelling Expenses (if any) *£4.62.40* : When received, 19

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

Committee's Minute

Assigned

See minute on Apr 11/43
F. E. M. R. R.



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