

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 12200

Received at London Office

1 JUN 1931

of writing Report 20 May 1931 When handed in at Local Office

Port of AMSTERDAM

in Survey held at AMSTERDAM

Date, First Survey 4 November Last Survey 5 May 1931

Book.

Number of Visits 7

on the ~~XXXXXXX~~ KROMHOUT OIL ENGINE NO. 6011, type HS-2Tons { Gross 11500
Net -

Hamburg

By whom built Deutsche Werft

Yard No. -

When built 1931

Anglo Saxon Petroleum Co. Ltd.

Port belonging to London

Engines made at Amsterdam

By whom made N.V. Kromhout Motoren Fabriek

Contract No. -

When made 1931

Generators made at Slikkerveer

By whom made Smit

Contract No. -

When made 1931

of Sets 1 Engine Brake Horse Power 26 Nom. Horse Power as per Rule 7 Total Capacity of Generators 16 Kilowatts.

ENGINES, &c. Type of Engines Kromhout oil En. in. 2 or 4 stroke cycle Single or double acting

Maximum pressure in cylinders 35 kg/cm² Diameter of cylinders 210 mm Length of stroke 245 mm No. of cylinders 1 No. of cranks 1

of bearings, adjacent to the Crank, measured from inner edge to inner edge 328 mm Is there a bearing between each crank <

Revolutions per minute 390 Flywheel dia. 1100 mm Weight 1180 kg Means of ignition Compus air Kind of fuel used Diesel oil

Crank Shaft, dia. of journals as per Rule 110 mm as fitted 110 mm Crank pin dia. 110 mm Crank Webs Mid. length breadth 150 mm Mid. length thickness 62 mm Thickness parallel to axis shrunk Thickness around eyehole 3 mm

Wheel Shaft, diameter as per Rule < as fitted < Intermediate Shafts, diameter as per Rule < as fitted < Thickness of cylinder liners <

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

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

Cooling Water Pumps, No. 1 Is the sea suction provided with an efficient strainer which can be cleared within the vessel <

Lubricating Oil Pumps, No. and size one 2 feeds for cylinders and one for bearings and crank pins

Compressors, No. 2 No. of stages 2 Diameters < Stroke < Driven by <

Suctioning Air Pumps, No. < Diameter < Stroke < Driven by <

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

the internal surfaces of the receivers be examined Yes What means are provided for cleaning their inner surfaces Hand hole

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

Pressure Air Receivers, No. 2 Cubic capacity of each < Internal diameter < thickness <

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

Suctioning Air Receivers, No. 2 Total cubic capacity 2 x 100 L Internal diameter 325 mm thickness 8 mm

less, lap welded or riveted longitudinal joint Hand Material Steel Range of tensile strength 20/100 mm Working pressure by Rules 4.3 kg/cm²

ELECTRIC GENERATORS:—Type Smit Slikkerveer

Voltage of supply 110 volts Load 145 Amperes Direct or Alternating Current Direct

Alternating current system, state frequency of periods per second <

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

They are over compounded 5 per cent. Yes, if not compound wound state distance between each generator <

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

They are 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

N.S. Are approved plans forwarded herewith for Shafting Receivers in London - Separate Tanks office
(If not, state date of approval) Secretary's letter 1.2.30.RE GEAR 1 set of piston rings; Studs for cylinder cover, 1 set of
thrust end screws, bolts, 1 gudgeon pin, 2 steel flats, 1 fuel pump
complete, 2 fuel jets, 1 combustion chamber, Springs and valves
fuel and cooling pumps, Studs for main bearing keels,
various packings.

The foregoing is a correct description,

N.V. KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr.

Manufacturer.



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Dates of Survey while building { During progress of work in shops - - 4/11. 4/12, 9 30. 2 1/2. 3/3. 15/4. 16/4 8/5. 1931
During erection on board vessel - - -
Total No. of visits 4.

Dates of Examination of principal parts—Cylinders 4/11 - 3/3 Covers 4/11 - 3/3 Pistons 4/11 - 3/3 Piston rods 4/11 - 3/3
Connecting rods 4/11 - 2 1/2 Crank and Flywheel shaft 4/11 - 2 1/2 Intermediate shaft 4/11 - 2 1/2

Crank and Flywheel shafts, Material Steel Identification Mark cr: 3169. M.K. 50.4.30.

Intermediate shafts, Material Identification Marks

Is this machinery duplicate of a previous case Yes If so, state name of vessel In cr: 5415. Rmt Agor 1216.

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

The engine has been constructed in accordance with the Rules, Surveyor's letter and approved plans. All motions tested as required and workmanship good. The engine has been tested under full working conditions on test bench and good.

The engine has been forwarded to Deutsche Werft Hamburg.

The amount of Fee ...

Travelling Expenses (if any) ...

When applied for,

When received,

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

Tue. 5 JAN 1932

See Ham 76, 20208



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