

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 12325

Received at London Office 8 JUL 1931

Report made at AMSTERDAM Port of AMSTERDAM Date, First Survey 4 November 30 Last Survey May 12 1931
 When handed in at Local Office 22 June 31 Number of Visits 1
 Name of Vessel Maja Tons { Gross 11500 Net 11500
 Type of Vessel Screw vessel N.V.C.v.d.Giessen & ZN's Scheepswerven No. 618
 By whom built N.V.C.v.d.Giessen & ZN's Yard No. 618 When built 1931
 Name of Owner Glo Saxon Petroleum Co. Ltd. Port belonging to London
 Name of Maker Amsterdam By whom made N.V. Kromhout Motoren Fabrik Contract No. 5957 type HS-2 When made 1931
 Name of Dealer Slikkerveen By whom made Smit Contract No. - When made 1931
 Engine Brake Horse Power 27 Nom. Horse Power as per Rule 7 Total Capacity of Generators 16 Kilowatts.

NAME & Co. Type of Engines Kromhout Motoren 2 or 4 stroke cycle Single or double acting
 Bore in cylinders 35 1/2 in Diameter of cylinders 210 in Length of stroke 24 1/2 in No. of cylinders 1 No. of cranks 1
 Cranks, adjacent to the Crank, measured from inner edge to inner edge 318 in Is there a bearing between each crank <
 Revolutions per minute 390 in Flywheel dia. 1100 in Weight 11800 lb Means of ignition Compression Kind of fuel used Dist oil
 dia. of journals as per Rule as per Rule Crank pin dia. 110 in Crank Webs Mid. length breadth 150 in Thickness parallel to axis as per Rule
 as fitted 110 in Mid. length thickness 6 1/2 in Thickness around eyehole as per Rule
 Shaft, diameter as per Rule < Intermediate Shafts, diameter as per Rule < Thickness of cylinder liners <
 as fitted < Means of lubrication forced lubrication
 Is there any other arrangement fitted to prevent racing of the engine when declutched Yes
 Are the exhaust pipes and silencers water cooled or lagged with non-conducting material Yes
 Are the receivers fitted with safety valves Yes Is the sea suction provided with an efficient strainer which can be cleared within the vessel <

Oil Pumps, No. and size One, 2 feeds for cylinders and one for bearings and crank pins
 No. of stages < Diameters < Stroke < Driven by <
 Air Pumps, No. < Diameter < Stroke < Driven by <

RECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule Yes
 Are the surfaces of the receivers be examined Yes What means are provided for cleaning their inner surfaces Hand hole
 Is there an arrangement fitted at the lowest part of each receiver Yes
 Number of Air Receivers, No. < Cubic capacity of each < Internal diameter < thickness <
 welded or riveted longitudinal joint < Material < Range of tensile strength < Working pressure by Rules <
 Number of Receivers, No. 2 Total cubic capacity 2 x 100 L Internal diameter 32 1/2 in thickness 8 in
 welded or riveted longitudinal joint Stainless Material S.M. Steel Range of tensile strength 20/32 tons Working pressure by Rules 4 1/2 lb per sq in

ELECTRIC GENERATORS:—Type Smit Slikkhuysen
 Voltage of supply 10 volts. Load 145 Amperes. Direct or Alternating Current Direct
 Is the 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
 Do they comply with the requirements regarding rating Yes are they compound wound Yes
 Is the generator compounded 5 per cent. Yes if not compound wound state distance between each generator <
 Is there a variable regulating resistance fitted in series with each shunt field Yes Are all terminals accessible, clearly marked, and furnished with sockets Yes
 Are the generators 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
 Are approved plans forwarded herewith for Shafting Retained Receivers in London Separate Tanks Office
 (If not, state date of approval) Secretary's letter E. 1. 3. 30.

GEAR
 List of parts: Studs for cylinder cover, 1 set of bottom end bearings, 1 gudgeon pin, 2 steel bolts, 1 fuel pump complete, 2 feed valves, 1 combustion chamber, springs and valves for fuel and air, pumps, studs for main bearing keels, various packing.

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 - 26/2 - 18/3 - 7/4 - 2/5 - 22/5
During erection on board vessel -
Total No. of visits 4

Dates of Examination of principal parts - Cylinders 4/11 - 7/4 Covers 4/11 - 7/4 Pistons 4/11 - 7/4 Piston rods
Connecting rods 4/11 - 7/4 Crank and Flywheel shaft 4/11 - 26/2 Intermediate shaft

Crank and Flywheel shafts, Material Steel Identification Mark Lloyd's M.K. 4024
Intermediate shafts, Material L Identification Marks

Is this machinery duplicate of a previous case Yes. If so, state name of vessel Ex. cr. 5425. Amst. Dy.

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

The engine has been constructed in accordance with Rules and Secretary's letter and approved plan.
All material tested as required and satisfactory.
The engine has been tested under full working conditions on test bench, good.

Forwarded to Mr. C. H. G. Jones, Esq. Secretary
Krimpen & Co. Ltd.

N.B.—If this Report is copied by copying Press, special care must be taken that the copying paper is not so much damped as to spread the ink, or to cause it to show through to the other side.

(The Surveyors are requested not to write on or below the space for Committee Minute.)

The amount of Fee ... 180.
Travelling Expenses (if any) 0.
When applied for, 19...
When received, 19...

For Receiver
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned



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