

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 10540
20 JUN 1927

Received at London Office

23 MAR 1927

Survey Report 17 March 1927 When handed in at Local Office

Port of AMSTERDAM

Survey held at AMSTERDAM

Date, First Survey 11th Febr. 1925 Last Survey 10th Aug 1926

Number of Visits 20

on the ~~XXX~~ ~~XXX~~ ~~XXX~~ Screw vessel "GOLDMOUTH"

Tons { Gross -
Net -

Rotterdam

By whom built Maats. Fyenoord

Yard No. 302 When built 1927

Anglo-Saxon Petroleum Co. Ltd.

Port belonging to

Engines made at Amsterdam

By whom made

Werkspoor

Contract No. - When made 1926

Engines made at -

By whom made -

Contract No. - When made

Sets 3 Engine Brake Horse Power 50 Nom. Horse Power as per Rule 14 Total Capacity of Generators - Kilowatts.

ENGINES, &c. Type of Engines 3-4 S.P.A. Diesel 2 or 4 stroke cycle Single or double acting

Pressure in cylinders 38 kg per cm² Diameter of cylinders 320 mm Length of stroke 450 mm No. of cylinders 1 No. of cranks 1

Bearings, adjacent to the Crank, measured from inner edge to inner edge 430 mm Is there a bearing between each crank One crank

Revs per minute 150 Flywheel dia. 1900 mm Weight 3000 kg Means of ignition Self ignition Kind of fuel used Diesel oil

Shaft, dia. of journals as per Rule 185 mm as fitted 185 mm Crank pin dia. 185 mm Crank Webs Mid. length breadth 290 mm Mid. length thickness 100 mm Thickness parallel to axis 1 1/2 shrunk Thickness around eyehole 1

Intermediate Shafts, diameter as per Rule 1 as fitted 1 Thickness of cylinder liners 1

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

Cylinders fitted with safety valves Yes Are the exhaust pipes and silencers water cooled or lagged with non-conducting material H.C.M.

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

Oil Pumps, No. and size 1

Compressors, No. 1 No. of stages 2 Diameters 50-160 mm Stroke 130 mm Driven by Shaft

Oil Air Pumps, No. 1 Diameter 1 Stroke 1 Driven by 1

RECEIVERS: Is each receiver, which can be isolated, fitted with a safety valve as per Rule 1

Internal surfaces of the receivers be examined Yes What means are provided for cleaning their inner surfaces with steam

Drain arrangement fitted at the lowest part of each receiver Yes

Pressure Air Receivers, No. 3 Cubic capacity of each 30 L Internal diameter 190 mm thickness 9 mm

Lap welded or riveted longitudinal joint Mannesmann Material Steel Range of tensile strength 28/32 tons Working pressure by Rules 10

Air Receivers, No. 1 Total cubic capacity 1 Internal diameter 1 thickness 1

Lap welded or riveted longitudinal joint 1 Material 1 Range of tensile strength 1 Working pressure by Rules 1

ELECTRIC GENERATORS: Type 1

Voltage of supply 1 volts Load 1 Amperes Direct or Alternating Current 1

Operating current system, state frequency of periods per second 1

Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off 1

Generators, do they comply with the requirements regarding rating 1 are they compound wound 1

Over compounded 5 per cent. 1, if not compound wound state distance between each generator 1

Variable regulating resistance fitted in series with each shunt field 1 Are all terminals accessible, clearly marked, and furnished with sockets 1

Are the terminals so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched 1 Are the lubricating arrangements of the generators as per Rule 1

Are approved plans forwarded herewith for Shafting 1 Receivers 1 Separate Tanks 1

GEAR

Please See list attached?

The foregoing is a correct description,

WERKSPoor

Manufacturer.



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Lloyd's Register
Foundation

012553-012563-0026

Dates of Survey while building { During progress of work in shops - - } 11/2. 5/5. 21/7. 26/8. 11/9. 20/10. 14/11. 21/12. 1925. 14/1. 11/2. 2/3. 9/3. 18/3. 25/3. 9/4. 31/5. 7/6. 17/7. 16/7.
 { During erection on board vessel - - - } L
 Total No. of visits 20

Dates of Examination of principal parts—Cylinders 14/12. 3/1. 26/1. Covers 14/12. 3/1. 26/1. Pistons 14/12. 3/1. 26/1. Piston rods L

Connecting rods 11/2. 5/5. 21/7. 26/8. Crank and Flywheel shaft 14/1. 24/1. 26/1. Intermediate shaft L

Crank and Flywheel shaft, Material Steel Identification Mark 4/12. 21/9. 21/9. Intermediate shafts, Material L Identification Marks 4/12. 21/9. 21/9.

Is this machinery duplicate of a previous case Yes If so, state name of vessel M. Clam. Am. Reg. 10

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

The Engines have been built under special Survey, & built with the Rules and Secretary's Letter, workmanship good. Engines tested under full working conditions and found to be satisfactory.

Engines forwarded to Rotterdam to be fitted in M. Clam. Reynier's. Hand signed M. D. Goldmann

F. W. Bennett

Im. 7.20—Transfer.
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)

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

F. W. Bennett
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute
 Assigned
 FRI. 24 JUN 1927
 See P. 8. 1. attached