

Compressor engine

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 February 1925 Last Survey 10th Aug. 1926.

Number of Visits 20

on the ~~XXXX~~ ~~XXXX~~ ~~XXXXXX~~ 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 London

Machines made at Amsterdam

By whom made Werkspoor

Contract No. - When made 1926

Engines made at ~~Am~~ -

By whom made -

Contract No. - When made -

Engines 1 Engine Brake Horse Power 150 Nom. Horse Power as per Rule 42 Total Capacity of Generators - Kilowatts.

ENGINES, &c.—Type of Engines One 4-Stroke S.A. 3 Cyl. Diesel Eng. 2 or 4 stroke cycle Single or double acting

Pressure in cylinders 38 kg/cm² Diameter of cylinders 320 mm Length of stroke 450 mm No. of cylinders 3 No. of cranks 3

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

Revolutions per minute 250 Flywheel dia. 1600 mm Weight 2670 kg Means of ignition Self ignition Kind of fuel used Diesel oil

Shaft, dia. of journals as per Rule approved as fitted 185 mm Crank pin dia. 185 mm Crank Webs Mid. length breadth 290 mm Thickness parallel to axis 100 mm shrunk

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

Propeller or other arrangement fitted to prevent racing of the engine when declutched Governor 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 Non-conducting material

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

Working Oil Pumps, No. and size

Compressors, No. 1 No. of stages 2 Diameters 60-200 mm Stroke 210 mm Driven by Shaft

Working Air Pumps, No. Diameter Stroke Driven by

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

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. 1 Cubic capacity of each 60 L Internal diameter 244 mm thickness 12 mm

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

Air Receivers, No. Total cubic capacity Internal diameter thickness

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

ELECTRIC GENERATORS:—Type Used for driving Auxiliary Air compressors

Voltage of supply volts Load Amperes Direct or Alternating Current

Operating current system, state frequency of periods per second

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

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

Over compounded 5 per cent, 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

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

Are approved plans forwarded herewith for Shafting Receivers in London Separate Tanks Office

(If not, state date of approval) 24.12.24. Secretary's letters.

GEAR

Please see list attached.

The foregoing is a correct description,

WERKSPOOR

Manufacturer.



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Lloyd's Register Foundation

012553-012563-0025

Dates of Survey while building
 During progress of work in shops - - 11/2 5/5 8/7 24/8 17/9 20/10 14/11 21/11 14/11 11/2 3/3 7/5 18/5 25/5 9/4 31/5 16/6 8/7
 During erection on board vessel - - - 1918 1926
 Total No. of visits 20

Dates of Examination of principal parts—Cylinders 14/9.25 3/5.26 Covers 14/9.25 3/5.26 Pistons 14/9.25 3/5.26 Piston rods L

Connecting rods 11/2.25 4/5.26 Crank and Flywheel shaft 14/6.26 8/7.26 Intermediate shaft L

Crank and Flywheel shaft, Material Steel Identification Mark Lloyd's R.I. Intermediate shafts, Material L Identification Marks L

Is this machinery duplicate of a previous case Yes If so, state name of vessel M.V. "Clam" Amst Reg. 10529

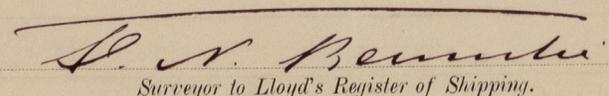
General Remarks (State quality of workmanship, opinions as to class, &c.)

The engines have been built under Special Survey, in accordance with the Rules and Secretary's letter; workmanship good. Machinery tested under full working conditions and good.

Same have been forwarded to Rotterdam to be fitted in Messrs. Feynman's Gas engine No. 502. M. G. G.

1m, 7, 26—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.....


 Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 24 JUNI 1927
 Assigned See Report attached

