

21 NOV 1928

4c.

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 11211

Received at London Office

25 OCT 1928

Writing Report 16 October 1928 When handed in at Local Office

Port of AMSTERDAM

Survey held at AMSTERDAM

Date, First Survey March 16 Last Survey Sept 29 1928

Number of Visits 10

on the Single Twin Triple Quadruple Screw vessel KROMHOUT OIL ENGINE NO. 4668, type ER-0 SIGRID. Tons Gross - Net -

at Ardrossan By whom built Ardrossan Dockyard & Yard No. 340 When built 1928

ers Anglo-Saxon Petroleum Co. Port belonging to London

Engines made at Amsterdam By whom made Kromhout Motoren Fabriek Contract No. - When made 1928

erators made at Sunderland By whom made Sunderland Forge Co. Contract No. - When made

f Sets 1 Engine Brake Horse Power 15 Nom. Horse Power as per Rule 4 Total Capacity of Generators 6 Kilowatts.

ENGINES, &c. Type of Engines Kromhout Oil Engine 2 or 4 stroke cycle Single or double acting

num pressure in cylinders 18 kg/cm² Diameter of cylinders 196 mm Length of stroke 205 mm No. of cylinders one No. of cranks one

of bearings, adjacent to the Crank, measured from inner edge to inner edge 216 mm Is there a bearing between each crank

utions per minute 500 Flywheel dia. 950 mm Weight 500 kg Means of ignition Magneto Kind of fuel used Gas-oil

k Shaft, dia. of journals as per Rule 45 mm Crank pin dia. 75 mm Crank Webs Mid. length breadth 100 mm Thickness parallel to axis shrunk

as fitted 45 mm Mid. length thickness 45 mm Thickness around eyehole 16 mm

heel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule Thickness of cylinder liners

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

he cylinders fitted with safety valves no Are the exhaust pipes and silencers water cooled or lagged with non-conducting material

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

ricating Oil Pumps, No. and size one (5) feed

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

enging Air Pumps, No. Diameter Stroke Driven by

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

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

ere a drain arrangement fitted at the lowest part of each receiver

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

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

rting Air Receivers, No. one Total cubic capacity 40 L Internal diameter 203 mm thickness 4 mm

unless, lap welded or riveted longitudinal joint Material Steel Range of tensile strength 28-30 tons Working pressure by Rules 16 kg/cm²

ELECTRIC GENERATORS: Type Sunderland Forge Dynam. 1

ssure of supply 110 volts Load 55 Amperes Direct or Alternating Current Direct

alternating current system, state frequency of periods per second

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

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

they over compounded 5 per cent. if not compound wound state distance between each generator

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

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

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

(If not, state date of approval) 2/4. 1928. See letter

ARE GEAR

Plan See List of Documents

The foregoing is a correct description,

N. V. KROMHOUT MOTOREN FABRIEK

D. GOEDKOOP JR.

Manufacturer.



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010200 - 010207 - 0110

Dates of Survey while building
During progress of work in shops - -
During erection on board vessel - - -
Total No. of visits

11/3 - 30/4 - 1/5 - 3/4 - 10/4 - 24/4 - 27/5 - 28/5 - 29/5

Dates of Examination of principal parts—Cylinders 11/3 - 24/4 Covers 11/3 - 24/4 Pistons 11/3 - 24/4 Piston rods
Connecting rods 1/5 - 24/4 Crank and Flywheel shaft 10/4 - 27/5 Intermediate shaft

Crank and Flywheel shaft, Material Steel Identification Mark 24.428 Intermediate shafts, Material Identification Marks

Is this machinery duplicate of a previous case? If so, state name of vessel and date of previous survey.

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

This engine has been constructed under Special Survey in accordance with the approved plans and Secretary's letter. All material tested as required, workmanship good. Engine tried under full working conditions in test bench and good.

P. V. Bennett

The amount of Fee ... £120. : When applied for, 19...
Travelling Expenses (if any) £7.50 : When received, 19...
Lm 7.28-1911/28

P. V. Bennett
Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 20 NOV 1928

Assigned See Glasgow Report No 48540



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