

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 12161

22 JAN 1931

Received at London Office

Date of writing Report 10 Jan 1931 When handed in at Local Office

19

Port of

AMSTERDAM

Date in Survey held at AMSTERDAM

Date, First Survey 11 Jan

Last Survey 17 Dec 1930

Reg. Book

Number of Visits 1

on the ~~Single~~ ~~Twin~~ ~~Triple~~ ~~Quadruple~~ Screw vessel "A POLLONIA"Tons { Gross -
Net -

Built at Rotterdam

By whom built N.V. Werf v/h. Ryke & Co. Yard No. 202 When built 1930

Owners Anglo Saxon Petroleum Co.

Port belonging to London type HS-2

Oil Engines made at Amsterdam

By whom made N.V. Kromhout Motoren Fabriek Contract No. 5735, When made 1930

Generators made at Slikkerveer

By whom made Smit

Contract No. When made 1930

No. of Sets 1 Engine Brake Horse Power 26/30 Nom. Horse Power as per Rule 8 Total Capacity of Generators 12 Kilowatts.

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

Maximum pressure in cylinders 35 kg/cm² Diameter of cylinders 210 mm Length of stroke 275 mm No. of cylinders 1 No. of cranks 1

Span 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 Compression 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 } 4 mm Thickness around eye hole }

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

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

Are 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 1 - 2 feeds and 1 for bearings and crank pin

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

Scavenging Air Pumps, No. - Diameter - Stroke - Driven by -

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

Can 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

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

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

Starting Air Receivers, No. 2 Total cubic capacity 200 L Internal diameter 325 mm thickness 8 mm

Seamless, lap welded or riveted longitudinal joint Seamless Material Steel Range of tensile strength 22/25 ton Working pressure by Rules 43 kg

ELECTRIC GENERATORS:—Type Small Slikkerveer

Pressure of supply 110 volts Load 109 Amperes Direct or Alternating Current Direct

If alternating 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

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

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

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

are they 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

PLANS. Are approved plans forwarded herewith for Shafting Relays Receivers h. London Separate Tanks Yes

(If not, state date of approval) Sunday - letter 2. 22.4.30. 1/5.30.

SPARE GEAR 1 set of piston rings, studs for cylinder cover, 1 set of

bottom end beam and bolts, 2 gudgeon pins, 3 steel slots,

fuel pump complete, 2 feed jets, 1 combustion chamber,

springs and valves for 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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Lloyd's Register

Foundation

W329-0028

Dates of Survey while building { During progress of work in shops - 11/6. 4/8. 22/8. 23/8. 24/8. 29/8. 3/9. 26/11. 14/12
 During erection on board vessel - - - 4
 Total No. of visits 9

Dates of Examination of principal parts—Cylinders 4/8 - 3/9 Covers 4/8 - 3/9 Pistons 4/8 - 3/9 Piston rods -
 Connecting rods 24/11 - 14/12 Crank and Flywheel shaft 11/6 - 24/8 Intermediate shaft -

Crank and Flywheel shafts, Material *Steel* Identification Mark

Intermediate shafts, Material *L* Identification Marks *Lloyd's T.P. no: 444. 13.5.*

Is this machinery duplicate of a previous case *Yes* If so, state name of vessel *Amel Rep. no: 12128. 25711.*

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

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

The engine will be forwarded to Rotterdam, to be fitted in m.m. Ryker, Co's. ship no: 202. Rotterdam.
H. N. Beerman

To Amel Rep.

The amount of Fee ... *£ 180.-* : When applied for, 19...
 Travelling Expenses (if any) *£ 8.25* : When received, 16.1.1931

H. N. Beerman
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute
 Assigned *See F.B. Rep.*

TUE. 18 AUG 1931