

# REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 1210a

Received at London Office

1 JUN 1931

of writing Report *20 May* 19*31* When handed in at Local Office

Port of **AMSTERDAM**

Survey held at **AMSTERDAM**

Date, First Survey *4 November* Last Survey *5 May* 19*31*

Number of Visits *7*

on the *Single* ~~XXXXXXX~~ **KROMHOUT OIL ENGINE NO.6011, type HS-2**

Tons <sup>Gross</sup> 11500  
<sub>Net</sub> -

at **Hamburg** By whom built **Deutsche Werft**

Yard No. - When built 1931

ers **Anglo Saxon Petroleum Co.Ltd.**

Port belonging to **London**

Engines made at **Amsterdam**

By whom made **N.V.Kromhout Motoren Fabriek**

Contract No. - When made 1931

erators made at **Slikerveer**

By whom made **Smit**

Contract No. - When made 1931

of Sets **1** Engine Brake Horse Power **26** Nom. Horse Power as per Rule **7** Total Capacity of Generators **16** Kilowatts.

ENGINES, &c.—Type of Engines *Kromhout oil En. in. 2 or 4 stroke cycle* Single or double acting

imum pressure in cylinders *35 kg/cm<sup>2</sup>* Diameter of cylinders *210 mm* Length of stroke *245 mm* No. of cylinders *1* No. of cranks *1*

of bearings, adjacent to the Crank, measured from inner edge to inner edge *328 mm* Is there a bearing between each crank *✓*

utions per minute *390* Flywheel dia. *1100 mm* Weight *1180 kg* Means of ignition *Compressed air* Kind of fuel used *Steele oil*

ank Shaft, dia. of journals as per Rule *as per Rule* as fitted *110 mm* Crank pin dia. *110 mm* Crank Webs Mid. length breadth *150 mm* Thickness parallel to axis *shrink* Mid. length thickness *62 mm* Thickness around eyehole *3 mm*

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

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

the cylinders fitted with safety valves *Yes* Are the exhaust pipes and silencers water cooled or lagged with non-conducting material *Yes*

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

ricating Oil Pumps, No. and size *one 2 feeds for cylinders and one for bearings and crank pins*

Compressors, No. *1* No. of stages *2* 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 *Yes*

the internal surfaces of the receivers be examined *Yes* What means are provided for cleaning their inner surfaces *Hand hole*

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

Pressure Air Receivers, No. *1* Cubic capacity of each *✓* Internal diameter *✓* thickness *✓*

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

ing Air Receivers, No. *2* Total cubic capacity *2 x 100 L* Internal diameter *325* thickness *8 mm*

less, lap welded or riveted longitudinal joint *Standard* Material *Steel* Range of tensile strength *20/100 mm* Working pressure by Rules *43 kg/cm<sup>2</sup>*

ELECTRIC GENERATORS:—Type *Smit Slikerveer*

sure of supply *110* volts. Load *145* Amperes. Direct or Alternating Current *Direct*

ternating current system, state frequency of periods per second *✓*

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

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

ey over compounded 5 per cent. *Yes*, 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 *✓*

ey 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*

N.S. Are approved plans forwarded herewith for Shafting *Approved* Receivers *in London - Separate Tanks* office *Secretary's letter 5. 1. 30.*

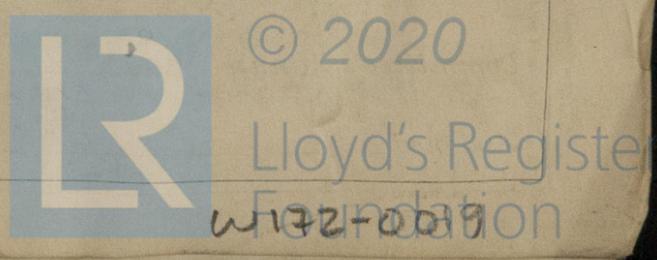
RE GEAR *1 set of piston rings; Studs for cylinder cover, 1 set of stem end screws, bolts, 1 gudgeon pin, 2 steel flats, 1 fuel pump, 1 fuel jet, 1 combustion chamber, Springs and valves, 1 fuel and cooling pump, Studs for main bearing kegs, various packing.*

The foregoing is a correct description,

N.V. KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr.

Manufacturer.



Dates of Survey while building  
 During progress of work in shops - - 4/11. 4/12, 1930. 2 1/2. 3/3. 15/4. 16/4 8/5. 1931  
 During erection on board vessel - - -  
 Total No. of visits 4.

Dates of Examination of principal parts—Cylinders 4/11 - 3/3 Covers 4/11 - 3/3 Pistons 4/11 - 3/3 Piston rods  
 Connecting rods 4/11 - 2 1/2 Crank and Flywheel shaft 4/11 - 2 1/2 Intermediate shaft

Crank and Flywheel shafts, Material *Steel* Identification Mark *cr: 3169. M.K. 50.4.30.*  
 Intermediate shafts, Material Identification Marks

Is this machinery duplicate of a previous case *Yes* If so, state name of vessel *Im. cr: 5715. Rmt. Agor 1216*

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

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

*The engine has been forwarded to Deutsche Werft Hamburg.*

The amount of Fee ... *£ 180.-* : When applied for, 19...  
 Travelling Expenses (if any) *£ 4.-* : When received, 19...  
*JD*

*F. A. Bemmels*  
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute *Tue. 5 JAN 1932*  
 Assigned *See Ham 76, 20208*



Jan. 9. 28.—Transfer. (The Surveyors are requested not to write on or below the space for Committee Minutes.)