

# REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS

No. 12073

Received at London Office

20 MAR 1934

4c.

Date of writing Report 18 October 1930 When handed in at Local Office

Port of AMSTERDAM

No. in Survey held at AMSTERDAM

Date, First Survey 18 March Last Survey 15 October 1930

Reg. Book.

Number of Visits 10

on the ~~XXXX~~ ~~XXXX~~ ~~XXXX~~ Screw vessel N.V.WERF "GUSTO" V/H FA. A.F.SMULDERS NO.652

Tons { Gross - Net -

Built at Schiedam

By whom built N.V.Werf "Gusto" v/h.A.F. Yard No.652 When built 1930

Owners Anglo-Saxon Petroleum Co., Ltd.

Port belonging to London type 2HSH

Oil Engines made at Amsterdam

By whom made N.V.Kromhout Motoren Contract No.5727 When made 2 1930

Generators made at -

By whom made - Contract No. - When made -

No. of Sets 1 Engine Brake Horse Power 9700 Nom. Horse Power as per Rule 28 Total Capacity of Generators - Kilowatts.

IL ENGINES, &c. Type of Engines *Horizontal oil engine 2 or 4 stroke cycle* Single or double acting

Maximum pressure in cylinders *35 kg/cm<sup>2</sup>* Diameter of cylinders *215 mm* Length of stroke *350 mm* No. of cylinders *2* No. of cranks *2*

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge *394 mm* Is there a bearing between each crank *Yes*

Revolutions per minute *320* Flywheel dia. *1300 mm* Weight *1450 kg* Means of ignition *Comp. Air* Kind of fuel used *Solun-oil*

Crank Shaft, dia. of journals *as per Rule 135 mm* Crank pin dia. *135 mm* Crank Webs *Mid. length breadth 180 mm Thickness parallel to axis 46 mm* Mid. length thickness *46 mm* Thickness around eyehole *46 mm*

Flywheel Shaft, diameter *as per Rule 4* Intermediate Shafts, diameter *as per Rule 4* Thickness of cylinder liners *4*

Is a governor or other arrangement fitted to prevent racing of the engine when declutched *Yes* Means of lubrication *forced 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. *2* Is the sea suction provided with an efficient strainer which can be cleared within the vessel *Yes*

Lubricating Oil Pumps, No. and size *1 4 feed. 1 for bearing and crankpin; circulation system*

Air Compressors, No. *1* No. of stages *1* Diameters *2* Stroke *2* Driven by *Electric*

Scavenging Air Pumps, No. *1* Diameter *1* Stroke *1* Driven by *Electric*

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 *Yes*

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

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

Seamless, lap welded or riveted longitudinal joint *Seamless* Material *Steel* Range of tensile strength *45-55* Working pressure by Rules *10*

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

Seamless, lap welded or riveted longitudinal joint *Seamless* Material *Steel* Range of tensile strength *45-55* Working pressure by Rules *10*

ELECTRIC GENERATORS:—Type *Driving air compressors*

Pressure of supply *110* volts. Load *1000* Amperes. Direct or Alternating Current *Direct*

If alternating current system, state frequency of periods per second *50*

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 *100 mm*

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 Shifting *Receivers in London* Separate Tanks *Yes*

SPARE GEAR

One set of fuel pipes, 2 pumps for fuel pump; valves and cam for fuel pump; 1 set of valves for air cam; 4 fuel jets; 2 governor springs; 2 pumps for starting air valves; 6 packing rings; 1 set of valves for circulating pump; 1 piston with rings complete; 14 piston rings; 2 circulating pump rings; 2 bottom end boxes; 1 gudgeon pin; 1 steel shell for sum; 1 cylinder head with valves complete; 1 fuel pump complete; 2 fuel cams;

The foregoing is a correct description,

N.V. KROMHOUT MOTOREN F. BRICK

D. Goedkoop Jr.

Manufacturer.



© 2021

Lloyd's Register Foundation

011011-011023-0347



Lloyd's Register  
Foundation