

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 13633

Date of writing Report 3rd Febr 1936 When handed in at Local Office 19 Port of Amsterdam Received at London Office 22 FEB 1936
No. in Survey held at Amsterdam Date, First Survey 11th Sept: Last Survey 30th Jan 1936
Reg. Book. Solarium Number of Visits
on the Single } Screw vessel Tanker for the Anglo Saxon Petroleum Comp Ltd: Tons { Gross 4
Twin }
Triple }
Quadruple }
Built at Monfalcone By whom built Cantiere Riuniti dell' Adriatico Yard No. 1 When built 1936
Owners Anglo Saxon Petroleum Comp Ltd Port belonging to
Oil Engines made at Amsterdam By whom made Messrs Kromhout Motorenfabriek Contract No. 1 When made 36
Generators made at 1 By whom made 1 Contract No. 7606 When made 36
No. of Sets Engine Brake Horse Power 30 Nom. Horse Power as per Rule 13 Total Capacity of Generators 16 Kilowatts.

OIL ENGINES, &c.—Type of Engines Kromhout Diesel Engine H.S. 2 or 4 stroke cycle 2 Single or double acting Single
Maximum pressure in cylinders 40 k.g. 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 1
Revolutions per minute 390 Flywheel dia. 1100 mm Weight 1100 k.g. Means of ignition Compression Kind of fuel used Diesel Oil
Crank Shaft, dia. of journals as per Rule 110 mm Crank pin dia. 110 mm Crank Webs Mid. length breadth 150 mm Thickness parallel to axis 1
as fitted 110 mm Mid. length thickness 70 mm Thickness around eyehole 1
Coupling as per Rule 110 mm Intermediate Shafts, diameter as per Rule 1 Thickness of cylinder liners No liners fitted
as fitted 110 mm as fitted 1
Is a governor or other arrangement fitted to prevent racing of the engine when declutched Yes Means of lubrication forced.
Are the cylinders fitted with safety valves Yes Are the exhaust pipes and silencers water cooled or lagged with non-conducting material Water cooled.
Cooling Water Pumps, No. 1 1440 liters per hour Is the sea suction provided with an efficient strainer which can be cleared within the vessel 1
Lubricating Oil Pumps, No. and size 1 840 liters per hour.
Air Compressors, No. 1 No. of stages 1 Diameters 1 Stroke 1 Driven by 1
Scavenging Air Pumps, No. 1 crankcase scavenging Diameter 1 Stroke 1 Driven by 1

AIR RECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule 1
Can the internal surfaces of the receivers be examined 1 What means are provided for cleaning their inner surfaces 1
Is there a drain arrangement fitted at the lowest part of each receiver 1
High Pressure Air Receivers, No. 1 Cubic capacity of each 1 Internal diameter 1 thickness 1
Seamless, lap welded or riveted longitudinal joint 1 Material 1 Range of tensile strength 1 Working pressure by Rules 1
Starting Air Receivers, No. 1 Total cubic capacity 75 liters Internal diameter 250 mm thickness 7 mm
Seamless, lap welded or riveted longitudinal joint Seamless Material 1 Range of tensile strength 44/50 k.g. Working pressure by Rules 25 k.g.

ELECTRIC GENERATORS:—Type 1
Pressure of supply volts. Load 1 Amperes. Direct or Alternating Current 1
If alternating current system, state frequency of periods per second 1
Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off 1
Generators, do they comply with the requirements regarding rating 1 are they compound wound 1
are they over compounded 5 per cent. 1, if not compound wound state distance between each generator 1
is an adjustable regulating resistance fitted in series with each shunt field 1 Are all terminals accessible, clearly marked, and furnished with sockets 1
are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched 1 Are the lubricating arrangements of the generators as per Rule 1

PLANS. Are approved plans forwarded herewith for Shafting 1/6/35 Receivers 1/6/35 Separate Tanks 1
(If not, state date of approval)
SPARE GEAR As per rule. 1

The foregoing is a correct description,

N.V. KROMHOUT MOTOREN FABRIEK

D. Grootenboer Jr.
Grootenboer

Manufacturer



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Foundation

005512-005517-0094

During progress of work in shops - - September 11-16-18-19-20-24-27-30. October 3-10-11-21-31
 During erection on board vessel - - November 4-26. Dec: 3-13 Jan: 6-9-12-14-17-30
 Total No. of visits 23.

Dates of Examination of principal parts—Cylinders 11/9/35 - 19/9/35 Covers 27/9/35 - 31/10/35 Pistons 11/9/35 - 31/10/35 Piston rods -
 Connecting rods 10/9/35 - 30/9/35 Crank and Flywheel shaft 16/9/35 - 31/10/35 - 6/11/36 Intermediate shaft -

Crank and Flywheel shafts, Material S. M. Steel

Identification Mark LLOYD'S NO 2163 K.K. 6-1-36

Coupling Intermediate shafts, Material S. M. Steel

Identification Marks LLOYD'S NO 498 F K.K. 30-9-35 H.J.

Is this machinery duplicate of a previous case Yes. If so, state name of vessel Tankers Anglo Saxon Pkts. Comp.

General Remarks (State quality of workmanship, opinions as to class, &c. This Engine has been built under special survey the scantlings were found in accordance with the approved plans and Secretary's letters.

Hydraulic tests were carried out on the water cooling spaces of cylinder jackets & covers, exhaust & cooling water manifolds with satisfactory results. The material and workmanship found in order, and the Engine when tried under working condition on the test bed gave satisfactory results.

This Engine is in my opinion, suitable to be placed on board the M. Vesel build at the yard of Cantieri Riuniti dell'Adriatico at Monfalcone for the purpose intended

The amount of Fee ... £ 90.00

Travelling Expenses (if any) £ 3.50

When applied for,

19

When received,

24.2.36 RD

25/2

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

See Tri. Rpt. 11375



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