

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 Net

Built at Monfalcone By whom built Contere huus de All' Adriatico Yard No. When built 1936

Owners Anglo Saxon Petroleum Comp Ltd Port belonging to

Oil Engines made at Amsterdam By whom made Thyssen Brownout Motorenfab Contract No. When made

Generators made at By whom made 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 Brownout 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

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
as fitted 110 mm Mid. length thickness 70 mm Thickness around eyehole

Coupling Flywheel Shaft, diameter as per Rule 70 mm Intermediate Shafts, diameter as per Rule Thickness of cylinder liners No liners fitted

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 a 1440 liters per hour Is the sea suction provided with an efficient strainer which can be cleared within the vessel

Lubricating Oil Pumps, No. and size 1 a 840 liters per hour.

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

Scavenging Air Pumps, No. crankcase scavenging Diameter Stroke Driven by

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

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

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

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. 1 Total cubic capacity 75 liters Internal diameter 250 mm thickness 7 mm

Seamless, lap welded or riveted longitudinal joint Seamless Material St. Steel Range of tensile strength 44/50 k.g. Working pressure by Rules 25 k.g.

ELECTRIC GENERATORS:—Type

Pressure of supply volts. Load Amperes. Direct or Alternating Current

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

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

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

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

are 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

PLANS. Are approved plans forwarded herewith for Shafting 2/6/35 Receivers 2/6/35 Separate Tanks
(If not, state date of approval)

SPARE GEAR As per rule.

The foregoing is a correct description,

N.V. BROWNOUT MOTOREN FABRIEK
D. Grootkoop Jr.

Grootkoop Jr.

Manufacturer



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Lloyd's Register

Foundation

005512-005517-0094

During progress of work in shops - September 11-16-19-20-24-27-30. 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 - 6/1/36 Intermediate shaft -

Crank and Flywheel shafts, Material S. M. Steel Identification Mark LLOYD'S NO 2163 K.K. 6-1-36
 Coupling shafts, Material S. M. Steel Identification Marks LLOYD'S NO 498 F K.K. 30-9-55
 M.J.

Is this machinery duplicate of a previous case Yes. If so, state name of vessel Parkers 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. Vestel build at the yard of Cantieri Riuniti dell'Adriatico at Monfalcone for the purpose intended

The amount of Fee ... £ 90.00 : When applied for, 19
 Travelling Expenses (if any) £ 3.50 : When received, 24.2.19 367D
 25/2

Mr. Murray
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute
 Assigned See Tri. Ref. 11375



Im. 4.31 - Transfer. (The Surveyors are requested not to write on or rub out the space for Committee Minutes)