

-8 JUL 1936

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 13594

15 DEC 1935

Received at London Office

4c.

Date of writing Report 5th Dec 1935 When handed in at Local Office 19 Port of Amsterdam
No. in Survey held at Amsterdam Date, First Survey 11th Sept: Last Survey 26th Nov. 1935
No. of Visits 17
on the Single Screw vessel Tanker for the Anglo Saxon Petroleum Co Ltd. Tons { Gross
Triple Net
Quadruple
Built at Muisingen By whom built Hon. Mr. De Schelde Yard No. 202 When built
Owners Anglo Saxon Petroleum Co Ltd Port belonging to London.
Oil Engines made at Amsterdam By whom made Messrs Kromhout Contract No. 9603 When made 1935
Generators made at Slikkerveen By whom made Messrs Smit Contract No. When made 1935
No. of Sets 1 Engine Brake Horse Power 30 Nom. Horse Power as per Rule 12 Total Capacity of Generators 16 Kilowatts.

IL ENGINES, &c.—Type of Engines Kromhout Diesel Engine 4.5 or 4 stroke cycle 2 Single or double acting Single
Maximum pressure in cylinders 40 h.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 320 mm Is there a bearing between each crank
Revolutions per minute 390 Flywheel dia. 1100 mm Weight 1100 h.g. Means of ignition Compression Kind of fuel used Diesel Oil.
Crank Shaft, dia. of journals as per Rule app. Crank pin dia. 110 mm Crank Webs Mid. length breadth 150 mm Thickness parallel to axis
as fitted 110 mm Mid. length thickness 40 mm Thickness around eyehole
Coupling as per Rule app. Intermediate Shafts, diameter as per Rule Thickness of cylinder liners 120 liners fitted.
as fitted 40 mm as 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 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

IR 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 S.M. Steel Range of tensile strength 44/50 h.g. Working pressure by Rules 15 h.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. KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr.

Manufacturer.



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Dates of Survey while building { During progress of work in shops - - September 11-16-18-19-20-24-27-30
During erection on board vessel - - - October 3-8-11-21-22-31. November 4-13-26
Total No. of visits 17.

Dates of Examination of principal parts—Cylinders 11/9/35-18/9/35 Covers 27/9/35 Pistons 11/9/35 Piston rods
Connecting rods 20/9/35 - 30/9/35 Crank and Flywheel shaft 16/9/35 - 30/9/35 Intermediate shaft

Crank and Flywheel shafts, Material S. M. Steel Identification Mark LLOYD'S No 2156; C.H.L.P. K.K. 30/9/35
Coupling Intermediate shafts, Material S. M. Steel Identification Marks LLOYD'S No 498.H; K.K. 30/9/35

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

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 motor vessel built at Messing Messrs. Messrs. "De Schelde" yard no 201 for the purpose intended.

The amount of Fee ... £ 90.00 When applied for, 19...
Travelling Expenses (if any) £ 3.50 When received, 13. 1 36
(per L.T. R.S.)

W. Thuyt
Surveyor to Lloyd's Register of Shipping.

Committee's Minute
Assigned

TUE. 14 JUL 1936

See Rot. J.E. 24647



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