

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 13594

15 DEC 1935

Received at London Office

t. 4c.

Date of writing Report 5th Dec 1935 When handed in at Local Office 19 Port of Amsterdam
 Date, First Survey 11th Sept. Last Survey 26th Nov. 1935
 Number of Visits 17

Survey held at Amsterdam
 on the Single Screw vessel Tanker for the Anglo Saxon Petroleum Co Ltd. Tons {Gross
 {Triple MV ERINNA
 {Quadruple
 Built at Wissingen 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.

INTERNAL ENGINES, &c.—Type of Engines Kromhout Diesel Engine H.S. 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 Crank pin dia. 110 mm Crank Webs Mid. length breadth 150 mm Thickness parallel to axis —
 Coupling as fitted 110 mm Mid. length thickness 40 mm Thickness around eyehole —
 Flywheel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule Thickness of cylinder liners no 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 —

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 Stn 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.

24
 14/12/35

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 10/9/35 - 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 "Guld" at His Majesty's Yards, Messrs. Messrs. "De Schelde" Yard No 202 for the purpose intended.

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

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

Committee's Minute
 Assigned

TUE. 14 JUL 1936

See Rot. J.E. 24647



© 2020
 Lloyd's Register Foundation

Im. 0.28 - Transfer.
 (The Surveyors are requested not to write on or below the space for Committee Minutes.)