

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

Received at London Office

Date of writing Report 21st Febr 1938 When handed in at Local Office 19 Port of AMSTERDAM
 No. in Survey held at AMSTERDAM Date, First Survey 19th Nov. Last Survey 17th Febr. 1938
 Reg. Book. Single on the Twin Triple Quadruple Screw vessel Tanker for the Anglo Saxon Petroleum Co. Ltd. Tons $\left\{ \begin{array}{l} \text{Gross} \\ \text{Net} \end{array} \right.$
 Built at Rotterdam By whom built Rotterdamsche Droogdok Mij. Yard No. 203 When built 1938
 Owners Anglo Saxon Petroleum Co. Ltd. Port belonging to _____
 Oil Engines made at Amsterdam By whom made N.V. Kromhout Mot. fabr. ~~Contract~~ ^{Eng.} No. 8262 When made 1938
 Generators made at - By whom made - Contract No. - When made -
 No. of Sets 1 Engine Brake Horse Power 30 Nom. Horse Power as per Rule 12 Total Capacity of Generators - Kilowatts.

OIL ENGINES, &c.—Type of Engines Kromhout Diesel Eng. H.S. 2 2 or 4 stroke cycle 2 Single or double acting single
 Maximum pressure in cylinders 40 kg/cm² 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 1180 kg. Means of ignition compression Kind of fuel used Diesel oil
 Crank Shaft, dia. of journals as per Rule appr. 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. shrunk Thickness around eyehole -
 Coupling as per Rule appr. 110 mm. Intermediate Shafts, diameter as per Rule - Thickness of cylinder liners no liner fitted
as fitted 110 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 ~~silencers~~ silencers water cooled or lagged with non-conducting material watercooled
 Cooling Water Pumps, No. 1 à 1440 liters p. hour Is the sea suction provided with an efficient strainer which can be cleared within the vessel -
 Lubricating Oil Pumps, No. and size 1 à 850 liters per hour
 Air Compressors, No. - No. of stages - Diameters - Stroke - Driven by -
 Scavenging Air Pumps, No. - Diameter - Stroke - Driven by -

AIR RECEIVERS:—Have they been made under Survey - State No. of Report or Certificate -
 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 kg. Working pressure by Rules 25 kg.
 46.6

ELECTRIC GENERATORS:—Type _____
 Pressure of supply _____ volts. Full Load Current _____ Amperes. Direct or Alternating Current _____
 If alternating current system, state the periodicity _____ Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on and off _____
 Generators, are they compounded as per rule _____ 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 _____
 If the generators are under 100 kw. full load rating, have the Makers supplied certificates of test _____ and do the results comply with the requirements _____
 If the generators are 100 kw. or over have they been built and tested under survey _____

PLANS. Are approved plans forwarded herewith for Shafting 28-1-37 Receivers 28-1-37 Separate Tanks -
 (If not, state date of approval)

SPARE GEAR As per rule.

The foregoing is a correct description,

Manufacturer.



Dates of Survey while building { During progress of work in shops - - } Nov. 19-24-30, Dec. 3-8-10-23, Jan. 12-19-26-28-29, Febr. 3-8-17
 { During erection on board vessel - - - }
 Total No. of visits 15

Dates of Examination of principal parts—Cylinders 19/11-8/2 Covers 28/1-29/1 Pistons 29/1 Piston rods -

Connecting rods 24/11/37- 10/12/37 Crank and Flywheel shafts 23/12 - 3/2/38 Intermediate shafts -

Crank and Flywheel shafts, Material S.M. Steel Identification Marks Lloyd's No. 2751 H.B. K.K. 3-2-38

~~Intermediate~~ shafts, Material S.M. Steel Identification Marks Lloyd's No. 821 H.K. K.K. 3-2-38

Identification marks on Air Receiver Lloyd's Test 50 Atm. W.P. 25 Atm. No. 1695 K.K. 23-12-37

Is this machinery duplicate of a previous case yes If so, state name of vessel Tankers Anglo Saxon Petroleum Co. Ltd

General Remarks (State quality of workmanship, opinions as to class, &c. This engine has been constructed under special survey in accordance with the Society's Rules approved plans and Secretary's letters.

The material used in the construction was found in order and workmanship satisfactory.

Engine tested on makers testbench and found in a good working condition and is in my opinion suitable to be placed on board the tankvessel for the Anglo Saxon Petroleum Co. Ltd. build by Messrs. Rotterdamsche Droogdok Mij. N.V. Yard No. 203 at Rotterdam for the purpose intended

1 in 5.57. - Transfer. (The Surveyors are requested not to write on or below the space for Committee Minute.)

The amount of Fee ... ~~£~~ Fl. 90; } When applied for, 19...
 Travelling Expenses (if any) ~~£~~ Fl. 3; } When received, 18.3.1938

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

Committee's Minute
 Assigned

Fri. 18 Nov. 1938
See Rot 36 27514



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