

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 14167

Received at London Office SEP 14 1937

Date of writing Report 9th Sept 1937 When handed in at Local Office 10 Port of Amsterdam. Date, First Survey 7th June Last Survey 9th Aug 1937 Number of Visits 11 + 3. Name of vessel M.S. OMALA Tanker for the Anglo Saxon Petroleum Co Ltd. Tons Gross 6256 Net 3594. Built at Monfalcone By whom built Cantieri Riuniti di Dell'Adriatico Yard No. 1202 When built 1937. Owners Anglo Saxon Petroleum Co Ltd. Port belonging to Gravenhage. Engines made at Amsterdam By whom made H. F. Kromhout Mot. Fab. Contract No. 0145 When made 1937. Generators made at Monfalcone By whom made C.A.D.A. Off. Elettromecc. Contract No. 105707 When made 1938. No. of Sets 1 Engine Brake Horse Power 30 Nom. Horse Power as per Rule 12 Total Capacity of Generators 16 Kilowatts.

TYPE OF 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 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 110 mm as fitted 110 mm Crank pin dia. 110 mm Crank Webs Mid. length breadth 150 mm Thickness parallel to axis. Mid. length thickness 70 mm Thickness around eyehole. Flywheel Shaft, diameter as per Rule 110 mm as fitted 110 mm Intermediate Shafts, diameter as per Rule. Thickness of cylinder liners No liners fitted. Is there 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. 12 1440 liters p. h. Is the sea suction provided with an efficient strainer which can be cleared within the vessel. Lubricating Oil Pumps, No. and size 12 850 liters p. h. Air Compressors, No. No. of stages Diameters Stroke Driven by. Suctioning Air Pumps, No. Diameter Stroke Driven by.

AIR RECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve yes. Can the internal surfaces of the receivers be examined yes What means are provided for cleaning their inner surfaces pumps. Is there a drain arrangement fitted at the lowest part of each receiver yes. 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 Material 1/2" Steel Range of tensile strength 4450 h.g. Working pressure by Rules 15 h.g.

ELECTRIC GENERATORS:—Type C 110 No 105707 Drip-Proof. Pressure of supply 110 volts. Full Load Current 141 Amperes. Direct or Alternating Current direct. 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 yes. Generators, are they compounded as per rule yes Is an adjustable regulating resistance fitted in series with each. Excitation field yes Are all terminals accessible, clearly marked, and furnished with sockets yes. Are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched yes Are the lubricating arrangements of the generators as per Rule yes. Do the generators are under 100 kw. full load rating, have the makers supplied certificates of test yes and do the results comply with the requirements yes. Do the generators are 100 kw. or over have they been built and tested under survey below 100 kw. 20/1/37 Receivers 10/1/37 Separate Tanks.

SHAFTS. Are approved plans forwarded herewith for Shafting (If not, state date of approval) 20/1/37 Receivers 10/1/37 Separate Tanks. ARE GEAR As per rule.

The foregoing is a correct description, N.V. KROMHOUT MOTOREN FABRIEK

D. GOEDKOOP Jr.

Manufacturer.



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003534-003540-0192

Dates of Survey while building { During progress of work in shops - - } June 7-17; July 13-14-16-20-26-28-30
 { During erection on board vessel - - - } Aug 2-11 1938 Apr 4, 25, June 4
 Total No. of visits 11 (3)

Dates of Examination of principal parts—Cylinders 7/6-13/7 Covers 14/7/37 Pistons 20/7/37 Piston rods
 Connecting rods 17/6/37-13/7/37 Crank and Flywheel shaft 17/6-13/7 Intermediate shaft

Crank and Flywheel shafts, Material S. M. Steel Identification Mark LLOYD'S 1405 H.B.
 Coupling Identification Marks 54 G.M. H.P.B. 13-0-37
 Intermediate shafts, Material S. M. Steel Identification Marks H.P.B. 13-0-37

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

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 plan and Secretary's letters.

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

Engine tested on makers test bed and found in a good working condition and is in my opinion suitable to be placed on board the Tank vessel for the Anglo Saxon Petroleum Co Ltd. Built by Messrs Cantieri Riunati Dell' Adriatico at Chonfalcone for the purpose intended.

This engine has been satisfactorily fitted on board and coupled with the Electric generator reported below. It has been tested under full working condition and found to be in order.

Ricorte 9.6.38

[Signature]
 Surveyor to Lloyd's Register of Shipping.

Im. 2. 36. - Transfer. (The Surveyors are requested not to write on or below the space for Committee Minutes.)

The amount of Fee ... £ 790.00 When applied for, 19
 Travelling Expenses (if any) £ 4.00 When received, 1937

[Signature]
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute
 Assigned

TUE 28 JUN 1938

See Tri. Rpt. 12109



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