

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 13573

Received at London Office 27 NOV 1935

Writing Report 25th Nov 1935 When handed in at Local Office 19 Port of Amsterdam
 Date, First Survey 11th Sept. Last Survey 20th Nov 1935
 "MACOMA" Number of Visits 11
 Single on the Twin Triple Quadruple Screw vessel Tanker for the Anglo Saxon Petroleum Co Ltd. Tons { Gross Net
 at Amsterdam By whom built Ned: Scheepbouw My Yard No. 335 When built 1935
 Anglo Saxon Petroleum Co Ltd Port belonging to London
 Engines made at Amsterdam By whom made Messrs Kromhout Engine Contract No. 7571. When made
 erators made at Sluikerveen By whom made Messrs Smit Contract No. When made
 of Sets Engine Brake Horse Power 30 Nom. Horse Power as per Rule 13 Total Capacity of Generators 16 Kilowatts.

ENGINES, &c. Type of Engines Kromhout Diesel Engine H.S. 2 or 4 stroke cycle 2 Single or double acting Single
 imum pressure in cylinders 40 h.g. Diameter of cylinders 210 mm Length of stroke 275 mm No. of cylinders 1 No. of cranks 1
 n of bearings, adjacent to the Crank, measured from inner edge to inner edge 328 mm Is there a bearing between each crank
 olutions per minute 390 Flywheel dia. 1100 mm Weight 1100 h.g. Means of ignition Compression Kind of fuel used Diesel Oil
 ank 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
 upling as per Rule app. Intermediate Shafts, diameter as per Rule Thickness of cylinder liners No liners fitted
 as fitted 70 mm as fitted
 a governor or other arrangement fitted to prevent racing of the engine when declutched Yes Means of lubrication forced.
 the cylinders fitted with safety valves Yes Are the exhaust pipes and silencers water cooled or lagged with non-conducting material Water cooled
 oling Water Pumps, No. 1 a 1440 liters per hour sea suction provided with an efficient strainer which can be cleared within the vessel
 bricating Oil Pumps, No. and size 1 a 840 liters per hour.

Compressors, No. No. of stages Diameters Stroke Driven by
 avenging Air Pumps, No. crankcase scavenging Diameter Stroke Driven by

RECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule
 n the internal surfaces of the receivers be examined What means are provided for cleaning their inner surfaces
 there a drain arrangement fitted at the lowest part of each receiver

gh Pressure Air Receivers, No. Cubic capacity of each Internal diameter thickness
 unless, lap welded or riveted longitudinal joint Material Range of tensile strength Working pressure by Rules
 arting Air Receivers, No. 1 Total cubic capacity 75 liters Internal diameter 250 mm thickness 7 mm
 amless, lap welded or riveted longitudinal joint Seamless Material S. M. Steel Range of tensile strength 4450 h.g. Working pressure by Rules 25 h.g.

ELECTRIC GENERATORS:—Type
 ressure of supply volts. Load Amperes. Direct or Alternating Current

alternating current system, state frequency of periods per second
 as the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off
 enerators, do they comply with the requirements regarding rating are they compound wound
 re they over compounded 5 per cent. if not compound wound state distance between each generator

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

ARE GEAR As per rule.

The foregoing is a correct description,

N.V. KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr.

Manufacturer.



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Lloyd's Register
Foundation

003649-003658-0041

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 4-13-20
 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 - Intermediate shaft -
 Crank and Flywheel shafts, Material S. M. Steel
 Coupling
 Intermediate shafts, Material S. M. Steel

Identification Mark LLOYD'S NO 2152, C.H.L.P. 5.5

Identification Marks LLOYD'S NO 4989; K.H. 30

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 M. Y. Nederlandse Scheepsbouw Maatschappij Yard no 235 for the purpose intended.

(The Surveyors are requested not to write on or below the space for Committee Minute.)

The amount of Fee ... £ 790.00 When applied for, 19...
 Travelling Expenses (if any) £ 3.50 When received, 4.12.19.35

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned See Ans. J.E. 13698a