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REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS

No. 19484

Received at London Office

26 MAY 1954

Date of writing Report 15th May 1954 When handed in at Local Office 19 Port of Amsterdam

No. in Survey held at Amsterdam Date, First Survey 3rd May Last Survey 7th May 1954

eg. Book. "Oranjerolder" Number of Visits 3

Single on the Twin Triple Quadruple Screw vessel. Tons Gross. Net.

uilt at Waterhuizen By whom built Scheepsweg J. Patze Yard No. 219 When built 1954

ners Mem. Cornelis Scheepvaart My. Port belonging to Rotterdam

l Engines made at Amsterdam By whom made Mem. Kromhout Contract No. 13993/4 When made 1954

nerators made at By whom made Contract No. When made

o. of Sets 2 Engine Brake Horse Power 60 Nom. Horse Power as per Rule 12 Total Capacity of Generators Kilowatts.

OIL ENGINES, &c.—Type of Engines Heavy Oil Type 6 C.S.V. 108 2 or 4 stroke cycle 4 Single or double acting Single

Maximum pressure in cylinders 55 Kg/cm² Diameter of cylinders 108 mm Length of stroke 152.4 mm No. of cylinders 6 No. of cranks 6

Position of bearings, adjacent to the Crank, measured from inner edge to inner edge Is there a bearing between each crank

Revolutions per minute 1000 Flywheel dia. 660 mm Weight 275 Kg Means of ignition Compression Kind of fuel used Diesel

Crank Shaft, dia. of journals as per Rule 81.9 mm as fitted 82.5 mm Crank pin dia. 73 mm Crank Webs Mid. length breadth 109.6 mm Thickness parallel to axis

as fitted 58 mm Crank hole 75 mm Mid. length thickness 26.15 mm Thickness round eye-hole

Flywheel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule Thickness of cylinder liners 7.5 mm

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

Boiling Water Pumps, No. 1 cap 3000 l/h Is the sea suction provided with an efficient strainer which can be cleared within the vessel

Lubricating Oil Pumps, No. and size 1 gear type 600 l/h

Air Compressors, No. No. of stages Diameters Stroke Driven by

Revolving 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

Are 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

Low Pressure Air Receivers, No. Total cubic capacity Internal diameter thickness

Seamless, lap welded or riveted longitudinal joint Material Range of tensile strength Working pressure by Rules

ELECTRIC GENERATORS:—Type

Pressure of supply volts Full Load Current Amperes Direct or Alternating Current

Is the alternating current system, state the periodicity Has the Automatic Governor been tested and found as per Rule when full load is suddenly thrown

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

shielded that they cannot be accidentally earthed, short circuited, or touched Are the lubricating arrangements of the generators as per Rule

Do the generators are under 100 kw. full load rating, have the makers supplied certificates of test and do the results comply with the requirements

Do the generators are 100 kw. or over have they been built and tested under survey

SHAFTS:—Are approved plans forwarded herewith for Shafting 18-3-54 Receivers Separate Tanks

ARE GEAR Mahan Spain

The foregoing is a correct description,

KROMHOUT MOTOREN FABRIEK
D. G. G. Kromhout Jr., N.V., Amsterdam

Manufacturer.



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Lloyd's Register
Foundation

005013-005019-0094

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Dates of Survey while building { During progress of work in shops - - 1954: 3/5 - 4/5 - 7/5
During erection on board vessel - -
Total No. of visits.....

Dates of Examination of principal parts—Cylinders 3-5-54 Block 4-5-54 Covers 3-5-54 Pistons 3-5-54 Piston rods.....

Connecting rods 3-5-54 Crank and Flywheel shafts 4-5-54 Intermediate shafts.....

Crank shaft { Material S.M. Steel Tensile strength 69.8 Kgf/cm²
Elongation 27% Identification Marks Lloyd's Nos. 724/2-4 HS. 11-12-52 IA. 4-5-54

Flywheel shaft, Material..... Identification Marks.....

Is this machinery duplicate of a previous case..... Identification Marks.....

Identification marks on Air Receivers.....

Is this machinery duplicate of a previous case..... If so, state name of vessel.....

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

These engines have been built under special survey in accordance with approved plans. Society Rules and Secretary's letters. All materials have been tested as required and the workmanship found good. After completion the engine has been tried on main test bed under full load conditions and found working satisfactorily.

These engines are in my opinion eligible to merit the favourable consideration of the Committee.

The engines have been shipped to Waterhuizen (Croningen district)
Copy certificate of crankshafts attached hereto.

Im. 11.42.-T (MADE AND REGISTERED IN ENGLAND).
The Surveyors are requested not to write on or below the space for Committee Minute.
8.11.54

The amount of Fee 2x55 = £ 110- : When applied for 20-5 19 54
Travelling Expenses (if any) £ 1/- : When received 19

FRIDAY 3-DEC 1954

Committee's Minute.....
Assigned.....

Surveyor to Lloyd's Register of Shipping.
Lloyd's Register Foundation