

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 15128

FEB -7 1938

Received at London Office

Date of writing Report 9th Feb 1938 When handed in at Local Office 19 Port of Amsterdam
 No. in Survey held at Amsterdam Date, First Survey 14th Nov. Last Survey 31 Jan 1938
 Reg. Book. Single on the Twin Screw vessel Motor vessel "Noordam" Tons 6 Gross
Triple Net
 Built at Rotterdam By whom built P. Smits Jr Yard No. 515 When built
 Owners Holland-America Lijn Port belonging to Rotterdam
 Oil Engines made at Amsterdam By whom made Kromhout Mot. fab. Cong Contract No. 0286 When made
 Generators made at Amsterdam By whom made Amsterdam Contract No. Amsterdam When made
 No. of Sets 1 Engine Brake Horse Power 75 Nom. Horse Power as per Rule 35 = 114 Total Capacity of Generators Amsterdam Kilowatts.

OIL ENGINES, &c.—Type of Engines Kromhout Deasel type 5 L.S.V. 2 or 4 stroke cycle 4 Single or double acting Single
 Maximum pressure in cylinders 55 lb. sq. in. Diameter of cylinders 100 mm. Length of stroke 153.4 mm. No. of cylinders 5 No. of cranks 5
 Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 118 mm. Is there a bearing between each crank Yes
 Revolutions per minute 1500 Flywheel dia. 660 mm. Weight 240 lb. g. Means of ignition Compression Kind of fuel used Diesel Oil.
 Crank Shaft, dia. of journals as per Rule 4 1/4 as fitted 55 mm. Crank pin dia. 66.60 mm. Crank Webs Mid. length breadth 131 mm. Thickness parallel to axis shrink
Mid. length thickness 240 mm. Thickness around eyehole shrink
 Flywheel Shaft, diameter as per Rule as fitted Intermediate Shafts, diameter as per Rule as fitted Thickness of cylinder liners 2.4 mm.
 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 Amsterdam Are the exhaust pipes and silencers water cooled or lagged with non-conducting material Amsterdam
 Cooling Water Pumps, No. 1 or 1450 liters per hour Is the sea suction provided with an efficient strainer which can be cleared within the vessel Amsterdam
 Lubricating Oil Pumps, No. and size 1 or 600 liters per hour.
 Air Compressors, No. Amsterdam No. of stages Amsterdam Diameters Amsterdam Stroke Amsterdam Driven by Amsterdam
 Scavenging Air Pumps, No. Amsterdam Diameter Amsterdam Stroke Amsterdam Driven by Amsterdam

AIR RECEIVERS:—Have they been made under Survey Amsterdam State No. of Report or Certificate Amsterdam
 Is each receiver, which can be isolated, fitted with a safety valve as per Rule Amsterdam
 Can the internal surfaces of the receivers be examined Amsterdam What means are provided for cleaning their inner surfaces Amsterdam
 Is there a drain arrangement fitted at the lowest part of each receiver Amsterdam
 High Pressure Air Receivers, No. Amsterdam Cubic capacity of each Amsterdam Internal diameter Amsterdam thickness Amsterdam
 Seamless, lap welded or riveted longitudinal joint Amsterdam Material Amsterdam Range of tensile strength Amsterdam Working pressure by Rules Amsterdam
 Starting Air Receivers, No. Amsterdam Total cubic capacity Amsterdam Internal diameter Amsterdam thickness Amsterdam
 Seamless, lap welded or riveted longitudinal joint Amsterdam Material Amsterdam Range of tensile strength Amsterdam Working pressure by Rules Amsterdam

ELECTRIC GENERATORS:—Type Amsterdam
 Pressure of supply Amsterdam volts. Full Load Current Amsterdam Amperes. Direct or Alternating Current Amsterdam
 If alternating current system, state the periodicity Amsterdam Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on and off Amsterdam
 Generators, are they compounded as per rule Amsterdam is an adjustable regulating resistance fitted in series with each shunt field Amsterdam
 Are all terminals accessible, clearly marked, and furnished with sockets Amsterdam
 Are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched Amsterdam Are the lubricating arrangements of the generators as per Rule Amsterdam
 If the generators are under 100 kw. full load rating, have the Makers supplied certificates of test Amsterdam and do the results comply with the requirements Amsterdam
 If the generators are 100 kw. or over have they been built and tested under survey Amsterdam

PLANS. Are approved plans forwarded herewith for Shafting 9/6/37 Receivers Amsterdam Separate Tanks 14/6/37
 (If not, state date of approval)

SPARE GEAR As per rule.

The foregoing is a correct description,

KROMHOUT MOTOREN FABRIEK
 D. Goedkoop Jr. N.V.

Manufacturer.



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 Foundation

005107-005117-0160

Dates of Survey while building

Nov: 14-30 Dec 0-17-21- Jan 31

During progress of work in shops - -
 During erection on board vessel - - -
 Total No. of visits

6

Dates of Examination of principal parts—Cylinders 24/11/37 - 2/12/37 Covers 24/11/37 - 2/12/37 Pistons 2/12/37 Piston rods

Connecting rods 2/12/37 Crank and Flywheel shafts 24/11/37 Intermediate shafts

Crank and Flywheel shafts, Material *U. S. Steel* Identification Marks *LLOYD'S M.A.B. 8135 B.K. 24-11-37*

Intermediate shafts, Material 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. This engine has been constructed under Special Survey and is in accordance with the approved plans, rule requirements and Secretary's letters. The material used in the construction are of a good quality and workmanship found in order. Engine tested under load condition on test bench with satisfactory results. The engine is in my opinion suitable to be placed on board the M. T. "Hoordam" for the purpose intended.

1m. 5. 37. - Transfer. (The Surveyors are requested not to write on or below the space for Committee Minute.)

The amount of Fee ... £ 7 00.00
 Travelling Expenses (if any) £ 3.50

When applied for, 4-2-1938
 When received, 10

paid as per letter 24/30 done London 12 AW.

M. Y. ...
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE 18 OCT 1938
 Assigned *See minute re machinery.*

