

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

JAN 19 1939

No. 15250

Date of writing Report 14th April 1938 When handed in at Local Office19 Port of Amsterdam

Received at London Office

APR 27 1938

No. in Survey held at Amsterdam
Reg. Book.Date, First Survey 14th Nov 37 Last Survey 12th April 1938Number of Visits 9Single
on the Twin
Triple
Quadruple
Screw vessel" Haandam "Tons { Gross
NetBuilt at SchiedamBy whom built Wilton-FynvoordYard No. 663 When built 1938-39Owners N.V. Holland-Amerika LijnPort belonging to RotterdamOil Engines made at Amsterdam By whom made N.V. Kromhout Mot. Fabr. LongContract No. 8463 When made 1938Generators made at " By whom made D. Goedkoop Jr.Contract No. " When made "No. of Sets 1 Engine Brake Horse Power 75 Nom. Horse Power as per Rule 9 Total Capacity of Generators " Kilowatts.OIL ENGINES, &c.—Type of Engines Kromhout 5 L.S.T. 2 or 4 stroke cycle 4 Single or double acting SingleMaximum pressure in cylinders 55 kg/cm² Diameter of cylinders 100 mm Length of stroke 152.4 mm No. of cylinders 5 No. of cranks 5Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 110 mm Is there a bearing between each crank YesRevolutions per minute 1500 Flywheel dia. 660 mm Weight 3405.9 Means of ignition Compression Kind of fuel used Gas OilCrank Shaft, dia. of journals as per Rule as per Rule as fitted 84.55 mm Crank pin dia. 66.60 mm Crank Webs Mid. length breadth 131 mm Thickness parallel to axis " Mid. length thickness 21.0 mm Thickness around eye-hole "Flywheel Shaft, diameter as per Rule " as fitted " Intermediate Shafts, diameter as per Rule " as fitted " Thickness of cylinder liners 3.4 mmIs a governor or other arrangement fitted to prevent racing of the engine when declutched Yes Means of lubrication forcedAre the cylinders fitted with safety valves No Are the exhaust pipes and silencers water cooled or lagged with non-conducting material "Cooling Water Pumps, No. 1 Cabs. 1450 l.p.h. Is the sea suction provided with an efficient strainer which can be cleared within the vesselLubricating Oil Pumps, No. and size 1 of the tooth wheel type a 600 liters per hourAir Compressors, No. " No. of stages " Diameters " Stroke " Driven by "Scavenging Air Pumps, No. " Diameter " Stroke " Driven by "

AIR RECEIVERS:—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. " 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

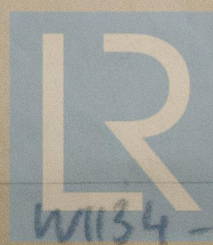
Pressure of supply " volts. Full Load Current " Amperes. Direct or Alternating Current "If alternating current system, state the periodicity " Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on and off "Generators, are they compounded as per rule " is 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 19/10/37 (If not, state date of approval)Receivers "Separate Tanks fuel 11/12/37SPARE GEAR As per rule

The foregoing is a correct description,

KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr. N.V.

Manufacturer.



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Dates of Survey while building { During progress of work in shops - - } *Nov. 14-30; Dec 8; Feb 1-12-15-18-25; April 12.*
 { During erection on board vessel - - }
 Total No. of visits *9*

Dates of Examination of principal parts—Cylinders *24/11 - 1/2* Covers *24/11 - 1/2* Pistons *30/11 - 1/2* Piston rods *✓*

Connecting rods *8/12 - 1/2* Crank and Flywheel shaft *24/11*

Crank and Flywheel shafts, Material *S. & M. Steel.*

Identification Mark

Intermediate shaft *✓*
LLOYDS
M.A.B. 8203
K. K. 24-11-37.

Intermediate shafts, Material *✓*

Identification Marks *✓*

Is this machinery duplicate of a previous case *Yes* If so, state name of vessel *ctoordam*

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 Society's Rules approved plan and Secretary letters. The material used in the construction was found to be good and the workmanship satisfactory. The engine has been tested on Meaker's test bed under full load condition which satisfactory results. The engine is in my opinion suitable to be placed on board the M. T. "Kaandam" for the purpose intended.*

- This engine is placed on board deck for driving emergency generator -

The amount of Fee ... *£ 800.00* When applied for, *25-4-1938*
 Travelling Expenses (if any) *£ 400* When received, *76-5-28*

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

Committee's Minute

TUE 24 JAN 1939

Assigned

See Rot. J.E. 27739



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