

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 15118

FEB -7 1938

Date of writing Report *2nd Feb 1938* When handed in at Local OfficePort of *Amsterdam*No. in Survey held at *Amsterdam*
Reg. Book.Date, First Survey *14th Nov.* Last Survey *31 Jan 1938*Number of Visits *6*Single
on the Twin
Triple
Quadruple

Screw vessel

*Motor vessel "Noordam"*Tons { Gross
NetBuilt at *Rotterdam*By whom built *P. V. M. J.*Yard No. *515* When builtOwners *Holland-Amerika Lijn*Port belonging to *Rotterdam*Oil Engines made at *Amsterdam* By whom made *Kromhout Mot. fab.* Contract No. *0286* When madeGenerators made at *"* By whom made *"* Contract No. *"* When made *"*No. of Sets *1* Engine Brake Horse Power *75* Nom. Horse Power as per Rule *35-114* Total Capacity of Generators *"* Kilowatts.OIL ENGINES, &c.—Type of Engines *Kromhout Diesel 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.* Means of ignition *Compression* Kind of fuel used *Diesel Oil*Crank Shaft, dia. of journals *as per Rule 4 1/4" 84.55 mm.* Crank pin dia. *66.60 mm.* Crank Webs *Mid. length breadth 131 mm. Thickness parallel to axis*
*as fitted 84.55 mm. Mid. length thickness 240 mm. shrunk Thickness around eye hole*Flywheel Shaft, diameter *as per Rule* Intermediate Shafts, diameter *as per Rule* Thickness of cylinder liners *2.4 mm.*
as fitted *as fitted*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 *"* Are the exhaust pipes and silencers water cooled or lagged with non-conducting material *"*Cooling Water Pumps, No. *1 & 1450 liters per hour* Is the sea suction provided with an efficient strainer which can be cleared within the vessel *"*Lubricating Oil Pumps, No. and size *1 & 600 liters per hour*Air Compressors, No. *"* No. of stages *"* Diameters *"* Stroke *"* Driven by *"*Scavenging 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 *"*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 *9/6/37*
(If not, state date of approval)Receivers *"*Separate Tanks *14/6/37*SPARE GEAR *as per rule*

The foregoing is a correct description,

KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr. N.V.

Manufacturer.



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005107-005117-0160

Dates of Survey while building { During progress of work in shops - - }
{ During erection on board vessel - - - }
Total No. of visits

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

Dates of Examination of principal parts—Cylinders 14/1/37 - 12/37 Covers 14/1/37 - 12/37 Pistons 12/37 Piston rods

Connecting rods 12/37

Crank and Flywheel shafts 14/1/37

Intermediate shafts

Crank and Flywheel shafts, Material V. M. Steel

Identification Marks 220YD3
M.A.B. 8135
K.K. 14-11-37

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 testbench with satisfactory results. The Engine is in my opinion suitable to be placed on board the M. T. "Coordam" for the purpose intended.

1m. 537.—Transfer.
(The Surveyors are requested not to write on or below the space for Committee Minute.)

The amount of Fee ...

£ 00.00

When applied for,

4-2-1938

Travelling Expenses (if any)

£ 3.50

When received,

✓ 10

paid as per letter 14/1/30
done London 12/37
J.W.

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

TUE 18 OCT 1938

Assigned

See minute S.E. machinery



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