

AUXILIARY

Rpt. 40.

REPORT ON OIL ENGINE ~~ELECTRIC GENERATOR SETS~~

No. 367 b

9 SEP 1949

11 SEP 1949

Received at London Office

Date of sending Report 25-8-49 When handed in at Local Office 19 Port of Groninger
Appingedam Date, First Survey 5-4-'49 Last Survey 29-7-1949
Number of Visits 4

No. in Survey held at Reg. Book. on the Single on the Twin Triple Quadruple Screw vessel
Built at By whom built Yard No. When built

Owners Port belonging to
Oil Engines made at Appingedam By whom made N.V. App. Bronsm. fabri Works No. 12180 When made 1949
Generators made at By whom made Contract No. When made
No. of Sets 1 Engine Brake Horse Power 40 Nom. Horse Power as per Rule 10 Total Capacity of Generators Kilowatts.

OIL ENGINES, &c. Type of Engines 2 EA heavy oil engine 2 or 4 stroke cycle 4 Single or double acting single
Maximum pressure in cylinders 45 kg/cm^2 Diameter of cylinders 150 mm Length of stroke 210 mm No. of cylinders 2 No. of cranks 2
Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 188 (excl. fillet radii) 17 mm? Is there a bearing between each crank yes
Revolutions per minute 800 Flywheel dia. 700 mm Weight 305 kg Means of ignition Compress. Kind of fuel used Diesel oil
Crank Shaft, dia. of journals as per Rule approx. pl. 90 mm Crank pin dia. 90 mm Crank Webs Mid. length breadth 120 mm Thickness parallel to axis 1
as fitted 90 mm Mid. length thickness 50 mm Thickness around eye-hole 1
Flywheel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule Thickness of cylinder liners 15 mm
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 no Are the exhaust pipes and silencers water cooled or lagged with non-conducting material
Cooling Water Pumps, No. one Is the sea suction provided with an efficient strainer which can be cleared within the vessel
Lubricating Oil Pumps, No. and size one a 400 litres/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 rivated 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 rivated 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 as per rule when full 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 Receivers Separate Tanks
(IF not, state date of approval)

SPARE GEAR

The foregoing is a correct description,

N.V. APPINGEDAMMER BRONSMOTORENFABRIEK

Handwritten signature of manufacturer

Manufacturer.



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004263-004274-0177

Dates of Survey while building { During progress of work in shops - - } 5-4-49, 21-6-49, 22-7-49, 29-7-49
 { During erection on board vessel - - - }
 Total No. of visits 4

Dates of Examination of principal parts—Cylinders 29-7-49 Covers 29-7-49 Pistons 21-6-49 Piston rods —

Connecting rods 21-6-49 Crank and Flywheel shafts 21-6-49 Intermediate shafts

Crank and Flywheel shafts, Material SM steel Identification Marks Lloyds MB 17 21.6.49

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 built under Special Survey, in accordance with approved plan and Society's Rules. The material used in the construction was found good and the workmanship throughout satisfactory. The engine has been tested on the Makers' testbed under full load and was found working satisfactory.

The engine is intended for yard N^o 253 of Messrs. de Haan & Derlemans and has been shipped to Beusden (Rotterdam District)

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

The amount of Fee ... £ 75.00 : When applied for, 13.9.1949
 Travelling Expenses (if any) # 8.00 : When received, 19.....

FRI. 30 DEC 1949

W. J. de Vries
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute
 Assigned For use see J.E. Rpt

