

AUXILIARY

Rpt. 40.

REPORT ON OIL ENGINE ~~ELECTRIC GENERATOR SETS~~

No. 367 b

9 SEP 1949

11 SEP 1949

IN D.O.

Date of writing Report 25-8-49 When handed in at Local Office

Port of

Received at London Office

No. in Survey held at Reg. Book.

Date, First Survey

Last Survey

Number of Visits

Single
on the Twin
Triple
Quadruple

Screw vessel

Tons { Gross
Net

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/cm² 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 90 mm as fitted 90 mm Crank pin dia. 90 mm Crank Webs Mid. length breadth 120 mm Mid. length thickness 50 mm Thickness parallel to axis 1 Thickness around eyehole 1

Flywheel Shaft, diameter as per Rule as fitted Intermediate Shafts, diameter as per Rule as fitted Thickness of cylinder liners 15 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 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 rired 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 rired 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 (If not, state date of approval)

Receivers

Separate Tanks

SPARE GEAR

The foregoing is a correct description,

N.V. APPINGEDAMMER BRONSMOTORENFABRIEK

Manufacturer.



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Foundation

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° 253 of Messrs. de Haan & Verlemans and has been shipped to Beusden (Rotterdam District)

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

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned For unile see J.E. Rpt

FRI. 30 DEC 1949



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