

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 24555

28 MAY 1936

Date of writing Report 22-5-1936 When handed in at Local Office

Port of Rotterdam

No. in Survey held at Reg. Book.

Date, First Survey 30-3-36

Last Survey 13-5-1936

Number of Visits 3

Single
Twin
Triple
Quadruple
Screw vessel

my LOOSDRECHT.

Tons { Gross
Net

Built at

Odessa

By whom built

Morsk Odessa Shipbldg. Yard No. 50

When built

Owners

Morsk. Komm.

Port belonging to

Rotterdam

Oil Engines made at

Bolnes

By whom made

Mach. Fab. Bolnes Th. Cappel

When made 1936

Generators made at

Slipkoven

By whom made

"Electro."

Contract No.

When made

No. of Sets one Engine Brake Horse Power 50 Nom. Horse Power as per Rule 14.5 Total Capacity of Generators 16 Kilowatts.

OIL ENGINES, &c.—Type of Engines Bolnes diesel engines 2 or 4 stroke cycle 2 Single or double acting Single

Maximum pressure in cylinders 600 lb Diameter of cylinders 160 mm Length of stroke 240 mm No. of cylinders 2 No. of cranks 2

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 200 mm Is there a bearing between each crank Yes

Revolutions per minute 600 Flywheel dia. 220 mm Weight 0.6 tons Means of ignition compression Kind of fuel used diesel oil

Crank Shaft, dia. of journals as per Rule 44 as fitted 90 mm Crank pin dia. 90 mm Crank Webs Mid. length breadth 52 mm Thickness parallel to axis shrunk Mid. length thickness 144 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 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 Yes Are the exhaust pipes and silencers water cooled or lagged with non-conducting material

Cooling Water Pumps, No. 1 45 x 45 mm Is the sea suction provided with an efficient strainer which can be cleared within the vessel

Lubricating Oil Pumps, No. and size one toothwheel 10 l.p.m.

Air Compressors, No. No. of stages Diameters Stroke Driven by

Scavenging Air Pumps, No. Bottom engine cyl. Diameter 160 mm Stroke 240 mm 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. one Total cubic capacity 87 liter Internal diameter 302 mm thickness 8 mm

Seamless, lap welded or riveted longitudinal joint Seamless Material SM steel Range of tensile strength 44-50 kg Working pressure by Rules 45.6 kg

ELECTRIC GENERATORS:—Type G 320. Compound wound.

Pressure of supply 115 volts Load 140 Amperes Direct or Alternating Current direct

If alternating current system, state frequency of periods per second

Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off

Generators, do they comply with the requirements regarding rating Yes are they compound wound Yes

are they over compounded 5 per cent. Yes, if not compound wound state distance between each generator

is an adjustable regulating resistance fitted in series with each shunt field Are all terminals accessible, clearly marked, and furnished with sockets Yes

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 Yes

PLANS. Are approved plans forwarded herewith for Shafting 20-2-36 Receivers 31-3-36 Separate Tanks

SPARE GEAR as per Rule

The foregoing is a correct description,

P. P. M. V. MACHINEFABRIEK „BOLNES“

voorzien J. H. van CAPPELLEN

Manufacturer.

D. W. Traizman



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

30/3 - 17/4 - 13/5-36

Dates of Examination of principal parts—Cylinders 30/3-17/4-36 Covers

Pistons 30/3-36 Piston rods 30/3-17/4-36

Connecting rods 30/3-17/4-36 Crank and Flywheel shaft 30-3-36 Intermediate shaft

Crank and Flywheel shaft, Material 5m Steel Identification Mark Kloyde KK 22. 15-30-3-36 Intermediate shafts, Material Identification Marks

Is this machinery duplicate of a previous case no If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, &c. The workmanship material are good)

The engine has been built under Special Survey in accordance with the Rules and approved plans. Trials were carried out at the makers work under brake load with satisfactory results.

The engine has been forwarded to Adenae to be fitted on board of the Yacht No 50. m/s "Loosdrecht"

1m. 7.28—Transfer. (The Surveyors are requested not to write on or below the space for Committee's Minute.)

The amount of Fee ... £ 50.00: When applied for, 26.5.1936

Travelling Expenses (if any) £ 2.50: When received, 8.6.36 25/6

Committee's Minute

Assigned See minute on J.E. Rpt.

W.H. Bounce Surveyor to Lloyd's Register of Shipping.



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