

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 15968

Received at London Office

17 SEP 1945

Date of writing Report 24 Feb 1941 When handed in at Local office

19

Port of Amsterdam

No. in Survey held at
Reg. Book.Date, First Survey 5th of Jan 40Last Survey 21st of Feb 1941

Number of Visits 36

Single
on the Twin
Triple
Quadruple

Screw vessel

"Amersherk"

Tons

Gross
Net

Built at Amsterdam

By whom built

N.Y. Ned. Scheepvaart Mij Yard No. 200 When built 1942

Owners

N.Y. Vereenigde Ned. Scheepvaart Mij Port belonging to J. Graevenhage

Oil Engines made at

Hoengelo

By whom made

N.Y. Gelsen. Schenk

Contract No. 4396-7-8 When made 1941

Generators made at

Bremen

By whom made

Algem. Elect. Ges.

Contract No. 545434/5 When made 1940

No. of Sets 3

Engine Brake Horse Power 3X300

Nom. Horse Power as per Rule 3X57

Total Capacity of Generators 3X200 Kilowatts.

OIL ENGINES, Etc. - Type of Engines Schenk Gyselman, airless. 2 or 4 stroke cycle 4 Single or double acting Single

Maximum pressure in cylinders 45 kg/cm² Diameter of cylinders 275 mm Length of stroke 450 mm No. of cylinders 5 No. of cranks 5

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 320 mm Is there a bearing between each crank Yes

Revolutions per minute 375 Flywheel dia. 1500 mm Weight 1600 kg Means of ignition Compression Kind of fuel used Diesel Oil

Crank Shaft, dia. of journals as per Rule 100 mm as fitted 100 mm Crank pin dia. 100 mm Crank Webs Mid. length breadth 320 mm Thickness parallel to axis

Flywheel Shaft, diameter as per Rule 100 mm as fitted 100 mm Intermediate Shafts, diameter as per Rule 100 mm as fitted 100 mm Thickness of cylinder liners 22 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 Water cooled lagged

Cooling Water Pumps, No. from G.B.P. Is the sea suction provided with an efficient strainer which can be cleared within the vessel Yes

Lubricating Oil Pumps, No. and size one rotary pump on each Engine cap. 20 liters per mt.

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 Q 04136

Pressure of supply 230 volts. Full Load Current 040 Amperes. Direct or Alternating Current Direct

If alternating current system, state the periodicity no Has the Automatic Governor been tested and found efficient when the whole load is suddenly

thrown on and off no

Generators, are they compounded as per rule Yes is an adjustable regulating resistance fitted in series with each

shunt field Yes 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 Yes Are the lubricating arrangements of the

generators as per Rule Yes

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 Yes (LLOYD'S TEST 1141-2-3 A.C. 23-1-41)

PLANS. Are approved plans forwarded herewith for Shafting 25/8/39. Receivers Separate Tanks

(If not, state date of approval)

SPARE GEAR c/s per rule.

The foregoing is a correct description.

MACHINEFABRIEK GEBR. STORK & CO. N.V.

Manufacturer.



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W305-0012

Dates of Survey while building
During progress of work in shops - 1940 Jan 5; Feb 2-13; March 1-8-15-21-28; April 5-12; May 4-29; June 5-12-26
During erection on board vessel - May 8; Sept 5-13-19-26; Oct 4-10-24-31; Nov 7-21; Dec 5-30; 1941 Jan 9-31
Total No. of visits 36 Feb 6-7-14-21

Dates of Examination of principal parts - Cylinders 28/5/40 - 5-12/40 Covers 28/5/40 - 12/6/40 Pistons 28/5/40 - 28/3/40 Piston rods 28/5/40 - 28/3/40
Connecting rods 5/6/40 - 26/6/40 31/1/41 Crank and Flywheel shafts 24/10/40 - 21/11/40 Intermediate shafts
Crank and Flywheel shafts, Material S. M. Steel Identification Marks LLOYDS No 10599 P.K. 6-10-39 LLOYDS No 10600 P.K. 3-11-39 LLOYDS No 10601 P.K. 2-2-40
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.)

These Auxiliary heavy oil Engines have been constructed under Special Survey in accordance with the approved plans and Secretary letters.

Material tested as required and workmanship good.

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

The amount of Fee ... £ 540.00 When applied for, 10-1-1941
Travelling Expenses (if any) £ 45.00 When received, 11-3-1941

Committee's Minute FRI. 28 DEC 1945

Assigned

No Action

Surveyor to Lloyd's Register of Shipping.



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