

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS

No. 13106
30 JAN 1934 19 MAR 1934

Received at London Office

Date of writing Report 23 January 1934 When handed in at Local Office

Port of Amsterdam

No. in Survey held at Hengelo

Date, First Survey 23 Nov.

Last Survey 3 January 1934

Reg. Book.

Phone "NEW DAGENHAM"

Number of Visits 6

Single
Twin
Triple
Quadruple

Screw vessel

M. V. "ODILIA" NEW DAGENHAM

Tons { Gross
Net

built at Alblardam

By whom built Ind N^o DE NOORD

Yard No. 524 When built 1934

Owners Odilia Motorship Co. Ltd

Port belonging to London

Oil Engines made at Hengelo

By whom made Machfab GEBR. STORK & Co. NV Contract No. When made 1934

Generators made at

By whom made Lawrence Scott

Contract No. 63849 When made 1934

No. of Sets One Engine Brake Horse Power 25 BHP Nom. Horse Power as per Rule

Total Capacity of Generators 15 Kilowatts.

L ENGINES, &c.—Type of Engines Anless injection Stork Ganz Sendorail 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 185 mm No. of cylinders 2 No. of cranks 2

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 377 mm Is there a bearing between each crank No

Revolutions per minute 700 Flywheel dia. 950 mm Weight 335 kg Means of ignition Indus inject Kind of fuel used Crude oil

Crank Shaft, dia. of journals as per Rule as fitted 90 mm Crank pin dia. 90 mm Mid. length breadth 115 mm Thickness parallel to axis shrunk

Crank Webs Mid. length thickness 50.5 mm Thickness around eyehole

Flywheel Shaft, diameter as per Rule as fitted Intermediate Shafts, diameter as per Rule as fitted Thickness of cylinder liners no liners

Is a governor or other arrangement fitted to prevent racing of the engine when declutched yes Means of lubrication forced lubrication

Are the cylinders fitted with safety valves no Are the exhaust pipes and silencers water cooled or lagged with non-conducting material water cooled & lagged

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 1 centrif 550 l/hr

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

Scavenging Air Pumps, No. Diameter Stroke Driven by

R RECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule

Are 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

Working 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 Compound

Pressure of supply 110 volts. Load 136 Amperes. Direct or Alternating Current Direct

Is an alternating current system, state frequency of periods per second

Is 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 yes Are the lubricating arrangements of the generators as per Rule yes

Are approved plans forwarded herewith for Shafting E12.10.33 Receivers Separate Tanks

ARE GEAR

As per rules & per attached list

The foregoing is a correct description.

Manufacturer. Machinefabrick GEBR. STORK & Co. NV

Shipping.

© 2020 Lloyd's Register Foundation

Dates of Survey while building { During progress of work in shops - - 1933. Nov 13. Dec 4. 14. 21. 28 January 3
During erection on board vessel - - -
Total No. of visits

Dates of Examination of principal parts—Cylinders 23 Nov. 4 Dec Covers 23 Nov. Pistons 23 Nov. 4 Dec Piston rods

Connecting rods 23 Nov. 4 Dec Crank and Flywheel shaft 23 Nov. 14 Dec Intermediate shaft

Crank and Flywheel shafts, Material S M S Identification Mark 6404 D S 468 5 B 10-11-33

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.)

This engine has been constructed in accordance with the rules & Secretary's letter and approved plan. Material duly tested. Workmanship good

The engine has been tested under full load on test bench & good

The engine has been shipped to the Ind M^e de Noord. Abblasdam to be fitted aboard of the vessel

In 1828—Transfer.
(The Surveyors are requested not to write on or below the space for Committee Minute.)

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

Burgdorff
Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE. 27 MAR 1937

Assigned

See Rot. J.E. 22773



© 2020

Lloyd's Register
Foundation



to be
any in
public
the S

(Rpt. 10.)