

Newcastle-on-Tyne

No. 87874

21 DEC 1931

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 12326

-8 JUL 1931

Received at London Office

ing Report 12 June 1931 When handed in at Local Office

19 Port of AMSTERDAM

Survey held at AMSTERDAM

Date, First Survey 4 November 1930 Last Survey 12 May 1931

Number of Visits 8

Single
on the Twin
Triple
Quadruple

XXXXXX

OIL ENGINE NO/5996, type HS-2

Tons

Gross 8236
Net 4828

By whom built

Yard No. When built

Anglo Saxon Petroleum Co. Ltd.

Port belonging to
Fabriek

London

ines made at Amsterdam

By whom made N.V. Kromhout Motoren

Contract No.

When made 1931

rs made at Sunderland

By whom made Sunderland Forge & Eng. Co.

Contract No.

When made 1931

ets 6 1 Engine Brake Horse Power 26 Nom. Horse Power as per Rule 7 Total Capacity of Generators 16 Kilowatts.

GINES, &c. Type of Engines Monohat oil engine 2 or 4 stroke cycle Single or double acting

pressure in cylinders 35 kg/cm² Diameter of cylinders 210 mm Length of stroke 275 mm No. of cylinders 1 No. of cranks 1

arings, adjacent to the Crank, measured from inner edge to inner edge 328 mm Is there a bearing between each crank?

as per minute 390 mm Flywheel dia. 1100 mm Weight 1180 kg Means of ignition compressed air Kind of fuel used Diesel oil

haft, dia. of journals as per Rule 110 mm Crank pin dia. 110 mm Crank Webs Mid. length breadth 150 mm Thickness parallel to axis 1/2 in
as fitted 110 mm Mid. length thickness 12.5 mm Thickness around eyehole 1/2 in

1 Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule Thickness of cylinder liners

rior or other arrangement fitted to prevent racing of the engine when declutched Yes Means of lubrication forced

cylinders fitted with safety valves Yes Are the exhaust pipes and silencers water cooled or lagged with non-conducting material Yes

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

ting Oil Pumps, No. and size One for cylinder (2 feeds) one for bearings, crankpin

pressors, No. 1 No. of stages 1 Diameters 1 Stroke 1 Driven by 1

ing Air Pumps, No. 1 Diameter 1 Stroke 1 Driven by 1

ECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule 1/2

internal surfaces of the receivers be examined Yes What means are provided for cleaning their inner surfaces Hand hole

drain arrangement fitted at the lowest part of each receiver Yes

ressure Air Receivers, No. 2 Cubic capacity of each 1 Internal diameter 1 thickness 1

lap welded or riveted longitudinal joint 1 Material 1 Range of tensile strength 1 Working pressure by Rules 1

g Air Receivers, No. 2 Total cubic capacity 2 x 45 L Internal diameter 250 mm thickness 7 mm

lap welded or riveted longitudinal joint 1 Material Steel Range of tensile strength 20/section/19 Working pressure by Rules 46 kg/cm²

TRIC GENERATORS:—Type Sunderland Forge

re of supply 110 volts Load 145 Amperes Direct or Alternating Current Direct

nating current system, state frequency of periods per second 1

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

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

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

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

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 1/2

S. Are approved plans forwarded herewith for Shafting, Receivers, & London Separate Tanks Office

(If not, state date of approval)

Secretary: Letter 8. 1. 3. 30

E GEAR

1 set of piston rings, studs for cylinder covers, 1 set of bottom end
nuts, bolts, 1 gudgeon pin, 2 steel flots, 1 fuel pump complete,
fuel jets, 1 combustion chamber, springs and valves for fuel
cooling pumps, studs for main bearing kegs, vacuum pumps.

The foregoing is a correct description,

N.V. KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr.

Manufacturer.



© 2021

Lloyd's Register
Foundation

002901-002915-0064

Dates of Survey while building { During progress of work in shops - - 4/11. 19/12. 26/2. 12/3. 14/4. 15/4. 16/4. 22/5
 { During erection on board vessel - - -
 Total No. of visits 8.

Dates of Examination of principal parts—Cylinders 4/11 - 14/4 Covers 4/11 - 14/4 Pistons 4/11 - 14/4 Piston rods -
 Connecting rods 4/11 - 26/2 Crank and Flywheel shaft 4/11 - 12/3 Intermediate shaft -

Crank and Flywheel shafts, Material *Steel* Identification Mark *Lloyd's M.K. 30.4.30*
 Intermediate shafts, Material - Identification Marks -

Is this machinery duplicate of a previous case *Yes* If so, state name of vessel *Engines yes And Rep.*
 General Remarks (State quality of workmanship, opinions as to class, &c.)

*The engine has been constructed in accordance with the
 and Sunday's letter and approved plans.
 All material tested as required and workmanship good.
 The engine has been tested under full working conditions
 test bench and good?*

*The engine has been forwarded to Messrs. R. W.
 Leckie, & Co. Ltd.*

*This generating set has been fitted on board and tested under working
 and found satisfactory.*

R. C. Clayton.

The amount of Fee ... *£180.-* When applied for, 19...
 Travelling Expenses (if any) *£8.-* When received, 13. 7. 1931

R. V. Bennett
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute

TUE. 22 DEC 1931

Assigned

See J. G. Rpt.



© 2021

Lloyd's Register
 Foundation