

RECEIVED

FEB 1950
Rpt. 4c.
D.O.

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 17217

Date of writing Report 15th Febr 1950 When handed in at Local Office 19 Port of Amsterdam Received at London Office 20 FEB 1950

No. in Survey held at Amsterdam Date, First Survey 15th June 1949 Last Survey 11th Febr 1950
Reg. Book. Number of Visits 6

Single on the Twin Triple Quadruple } Screw vessel
Tons { Gross
Net

uilt at Rotterdam By whom built Messrs P. Smit & Co. Yard No. 596 When built

Owners. Yacimientos Petroliferos Fiscales Port belonging to Buenos Aires

il Engines made at Amsterdam By whom made NV Kromhout Motorenfabriek Contract No. 11590 When made 1950

generators made at Rugby By whom made The British Thomson Houston Co. Ltd. Contract No. 620019/103 When made 1949

No. of Sets 1 Engine Brake Horse Power 50 Nom. Horse Power as per Rule 12 1/2 Total Capacity of Generators 30 Kilowatts.

IL ENGINES, &c.—Type of Engines Heavy oil eng type 5-LSDV 2 or 4 stroke cycle 4 Single or double acting Single

Maximum pressure in cylinders 5.5 kg/cm² Diameter of cylinders 100 mm Length of stroke 152.4 mm No. of cylinders 5 No. of cranks 5

Distance of bearings, adjacent to the Crank, measured from inner edge to inner edge 121 mm Is there a bearing between each crank Yes

Revolutions per minute 1000 Flywheel dia. 660 mm Weight 240 kg Means of ignition compression Kind of fuel used Diesel oil

Crank Shaft, dia. of journals as per Rule as approved Crank pin dia. 73 mm with 25 mm central hole Crank Webs Mid. length breadth 109 mm Thickness parallel to axis shrunk

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

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 yes

oling Water Pumps, No. 1 rotary type cap. 1.45 1/2 Is the sea suction provided with an efficient strainer which can be cleared within the vessel

lubricating Oil Pumps, No. and size 1, rotary type 2.5 3/4 remains to be repaired by the Rotterdam surveyors

Compressors, No. No. of stages Diameters Stroke Driven by via clutch

evenging Air Pumps, No. Diameter Stroke Driven by

R RECEIVERS:—Have they been made under Survey State No. of Report or Certificate

each receiver, which can be isolated, fitted with a safety valve as per Rule

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

here a drain arrangement fitted at the lowest part of each receiver

h Pressure Air Receivers, No. Cubic capacity of each Internal diameter thickness

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

ting Air Receivers, No. engine started by hand Total cubic capacity Internal diameter thickness

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

ELECTRIC GENERATORS:—Type drip proof - compound wound

sure of supply 220 volts Full Load Current 139 Amperes Direct or Alternating Current DC

ternating current system, state the periodicity Has the Automatic Governor been tested and found as per Rule when full load is suddenly thrown

nd off Yes Generators, are they compounded as per Rule Yes is an adjustable regulating resistance fitted in series with each shunt field Yes

all terminals accessible, clearly marked, and furnished with sockets Yes Are they so spaced

ielded that they cannot be accidentally earthed, short circuited, or touched Yes Are the lubricating arrangements of the generators as per Rule Yes

e generators are under 100 kw. full load rating, have the makers supplied certificates of test Yes and do the results comply with the requirements Yes

e generators are 100 kw. or over have they been built and tested under survey

NS.—Are approved plans forwarded herewith for Shafting 27-6-49 Receivers Separate Tanks

RE GEAR to be checked on board

The foregoing is a correct description,

KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr. NV, Amsterdam

Manufacturer.



© 2021

Lloyd's Register Foundation

009780-009788-0291

Dates of Survey while building { During progress of work in shops - - 15/6 - 23/6 - 1/8 - 13/9 - 1949 and 10/2 - 11/2 - 1950
During erection on board vessel - - -
Total No. of visits 6

Dates of Examination of principal parts - Cylinders 23-6-49 Covers 23-6-49 Pistons 23-6-49 Piston rods ✓
Connecting rods 23-6-49 Crank and Flywheel shafts 1-8-49 Intermediate shafts ✓
Crank shaft { Material S. M. S. Steel Tensile strength 52.4 1/2"
Elongation 28% Identification Marks LLOYDS No. DF 3375
ILW AB 1-8-49.
Flywheel shaft, Material ✓ Identification Marks ✓
Is this machinery duplicate of a previous case ✓ 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 plans and Society Rules.
The materials have been tested as required and the Workmanship was found good.
The engine has been tested under full load conditions on shaker's testbed and found working satisfactory. (cert. of crankshaft attached).
On completion the generator set has been dispatched to Rotterdam.
I am of opinion that this generator set merits the approval of the Committee.

The amount of Fee ... £ 90.- { When applied for 19
Travelling Expenses (if any) £ 4.- { When received 19

Committee's Minute
Assigned See F.E. mech. rpt.

A. Cran Renswijde
Surveyor to Lloyd's Register of Shipping.
Lloyd's Register Foundation