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REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 17274

Received at London Office.

24 APR 1950

of writing Report 15th April 1950 When handed in at Local Office 19. Port of Amsterdam
in Survey held at Amsterdam Date, First Survey 8th Sept 49 Last Survey 5th April 1950
Book. on the Single }
Twin }
Triple }
Quadruple } Screw vessel M.T. "LA PLATA". Number of Visits 6
Tons { Gross...
Net...
at Rotterdam By whom built J. Smit Jr. Yard No. 597 When built...
ers Jacimientos Petroliferos Fiscales Port belonging to Buenos Aires
Engines made at Amsterdam By whom made Kromhout Motorenfabriek Contract No. 11591 When made 1950
Generators made at Rugby By whom made The British Thomson Houston Contract No. 22000/1/1 When made 1949
of Sets 1 Engine Brake Horse Power 50 Nom. Horse Power as per Rule 12 1/2 Total Capacity of Generators 30 Kilowatts.

ENGINES, &c.—Type of Engines Heavy oil engine—5150V 2 or 4 stroke cycle 2 Single or double acting Single
imum pressure in cylinders 5.5 kg/cm² Diameter of cylinders 108 mm Length of stroke 122.5 mm No. of cylinders 5 No. of cranks 5
of bearings, adjacent to the Crank, measured from inner edge to inner edge 121 mm Is there a bearing between each crank Yes
lutions per minute 1000 Flywheel dia. 660 mm Weight 240 kg Means of ignition compression Kind of fuel used Diesel oil.
as per Rule as approved. Crank pin dia. 75 mm Crank Webs Mid. length breadth 109 mm Thickness parallel to axis...
as fitted 28.5 mm with 38 mm central hole 15 mm central hole Mid. length thickness 26 mm Thickness round eyehole...
Wheel Shaft, diameter as per Rule... Intermediate Shafts, diameter as per Rule... Thickness of cylinder liners...
governor or other arrangement fitted to prevent racing of the engine when declutched Yes Means of lubrication forced.
he cylinders fitted with safety valves no Are the exhaust pipes and silencers water cooled or lagged with non-conducting material yes
ing Water Pumps, No. 1 rotary type cap. 145 l/h Is the sea suction provided with an efficient strainer which can be cleared within the vessel...
icating Oil Pumps, No. and size 1—booster wheel pump cap. 0.6 l/h
ompressors, No. one—supplied with cert. no 5937 Part of Rotterdam dated 4-4-50 No. of stages 2 Diameters 88-90 mm Stroke 100 mm Driven by clutch
nging Air Pumps, No. Diameter Stroke Driven by

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

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

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

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

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

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

ng Air Receivers, No. Total cubic capacity Internal diameter thickness

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

ETRIC GENERATORS:—Type Compound wound—shunt field

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

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

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

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

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

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

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

S.—Are approved plans forwarded herewith for Shafting 2-7-49 Receivers Separate Tanks

E GEAR To be checked on board

The foregoing is a correct description,

KROMHOUT MOTOREN FABRIEK
Goedkoop J. N. V. Amsterdam

Manufacturer.



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Lloyd's Register
Foundation

010519-010525-0030

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

8/9 - 13/9 - 1949 - 23/2 - 6/3 - 24/3 - 5/4 - 1950

Dates of Examination of principal parts—Cylinders..... 24-2-50 Covers..... 23-2-50 Pistons..... 24-2-50 Piston rods..... ✓

Connecting rods..... 24-2-50 Crank and Flywheel shafts..... 23-2-50 Intermediate shafts..... ✓

Crank shaft { Material..... *Self Steel* Tensile strength..... *50.4 1/2" - yield p. = 38.4*
Elongation..... *17%* Identification Marks..... *LLOYDS N° DF 3373 ✓*
DWR AVB 23-2-50.

Flywheel shaft, Material..... ✓ Identification Marks..... ✓

Is this machinery duplicate of a previous case..... *Yes* Identification Marks..... *eng no 11590*

Identification marks on Air Receivers.....

Is this machinery duplicate of a previous case..... *Yes* If so, state name of vessel..... *P. Smith's yard no 596*

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.).....

The above Diesel motor is connected to the dynamo by means of a rigid coupling, and to the air-compressor by means of a friction coupling.

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 condition on maker's testbed and found working satisfactory.

In completion the generator set has been dispatched to Rotterdam.

I am of opinion that this engine merits the approval of the Committee.
(Cert. of crankshaft and maker's testcert. of generator attached.)

The amount of Fee ... *£ 90.4* : When applied for *20.4* 19.50

Travelling Expenses (if any) *£ 3.50* : When received..... 19

Committee's Minute.....

Assigned.....

Surveyor to Lloyd's Register of Shipping.



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