

## REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 2567

Received at London Office

5 AUG 1949

of writing Report 4<sup>th</sup> July 1949 When handed in at Local Office 21<sup>st</sup> 1949 Port of ANTWERP

Survey held at SCHLESSIN - LIEGE Date, First Survey 19.5.48 Last Survey 14.8.49

Book. 2150 on the Single Twin Triple Quadruple Screw vessel m/v "BELGIAN PRIDE" Tons Gross 870.4 Net 496.9

at Hoboken By whom built Messrs. J. M. Cockrell Yard No. 964 When built 1948

ers. Belgian Gulf Oil Co. Port belonging to Antwerp

Engines made at Belgian - Liege By whom made Ateliers de Const. La Meuse Contract No. 4100 When made 1948

erators made at Dunipool By whom made Campbell & Thomson Contract No. 1948 When made 1948

of Sets one Engine Brake Horse Power 26 M.N. as per Rule 6.5 Total Capacity of Generators 12 Kilowatts.

et intended for essential services No

ENGINES, &c.—Type of Engines La Meuse A2 2 or 4 stroke cycle 4 Single or double acting single

imum pressure in cylinders 70 kg/cm<sup>2</sup> Diameter of cylinders 125 Length of stroke 160 No. of cylinders 2 No. of cranks 2

n indicated pressure 8 kg/cm<sup>2</sup> Firing order in cylinders 1-2 Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 780

ere a bearing between each crank Yes Moment of inertia of flywheel (16 m<sup>2</sup> or Kg.-cm.<sup>2</sup>) 28 kg/m<sup>2</sup> Revolutions per minute 1000

heel dia. 700 Weight 250 kgs. Means of ignition Comp. air Kind of fuel used Diesel oil

ank Shaft, dia. of journals 80 Crank pin dia. 80 Crank Webs Mid. length breadth 100 Thick. parallel to axis 100 Mid. length thickness 40 Thick. round eye hole 100

wheel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule General armature, moment of inertia (16 m<sup>2</sup> or Kg.-cm.<sup>2</sup>) as fitted

means provided to prevent racing of the engine when declutched Yes Means of lubrication forced Kind of damper if fitted —

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

ling Water Pumps, No. one 40 lit/min Is the sea suction provided with an efficient strainer which can be cleared within the vessel Yes

ricating Oil Pumps, No. and size one 22 lit/min

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

enging Air Pumps, No. — Diameter — Stroke — Driven by —

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

ch 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 —

ere a drain arrangement fitted at the lowest part of each receiver —

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 —

ing Air Receivers, No. — 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 Campbell & Thomson Krip proof

sure of supply 110 volts. Full Load Current 109 Amperes. Direct or Alternating Current Direct

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 — 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

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 —

ls of driven machinery other than generator —

NS.—Are approved plans forwarded herewith for Shafting — Receivers — Separate Tanks —

(If not, state date of approval)

Torsional Vibration characteristics if applicable been approved — Armature shaft Drawing No. —

(state date of approval)

RE GEAR As per Rule Yes

The foregoing is a correct description,

Hermine Manufacturer.



© 2021

Lloyd's Register  
Foundation

003778-003787-0218

Dates of Survey while building { During progress of work in shops - - 19-3-48 26-3-48  
During erection on board vessel - - 16-2-49 14-3-49  
Total No. of visits 4

Dates of Examination of principal parts—Cylinders 26-3-48 Covers 26-3-48 Pistons 26-3-48 Piston rod

Connecting rods 26-3-48 Crank and Flywheel shafts 26-3-48 Intermediate shafts

Crank shaft { Material S.M. steel Tensile strength 65/70 kg/mm<sup>2</sup>  
Elongation 20% Identification Marks -

Flywheel shaft, Material Identification Marks

Identification marks on Air Receivers

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.)

The hardness numeral obtained with a Poldi comparator from the crankshaft was found to give an equivalent numeral indicating that the material was within the above range of tensile strength. The machinery has been completely opened out and found in good condition. Satisfactory full load and overload running tests were witnessed. The machinery is eligible, in my opinion, to be incorporated in the class assigned to the machinery of this vessel.

The amount of Fee ... £ 1060 - : When applied for 218 1949  
Travelling Expenses (if any) £ 500 - : When received 19  
Committee's Minute FRI. 9 SEP 1949  
Assigned See for mach. etc.



Rpt. 13.  
Date of wr  
No. in  
Reg. Book  
92150  
Built at  
Owners.  
Installation  
Is vessel e  
Plans, hav  
Heating  
Prime Mo  
with a tri  
if not com  
two 40A  
in paralle  
nega  
test for m  
Position o  
is the ven  
damage fr  
side of  
are they i  
steam and  
material  
per Rule  
for each g  
break  
General  
and the su  
Lube  
Are compa  
ammeters  
protection  
Tol  
Switches,  
make of fu  
overload d  
Joint Boxe  
Cables, are  
state max  
area of 0-0  
cables seal  
high tempe  
adequately  
or of the  
Are all lea  
bulkheads p  
effectively