

4c.

## REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 7324.

Received at London Office 21 MAY 1931

of writing Report 22/4/1931 When handed in at Local Office

Port of KOBE

in Survey held at Kobe

Date, First Survey 17 Sept. 1930 Last Survey 16 April 1931

Number of Visits 25

Single  
on the Twin  
Triple  
Quadruple

Screw vessel (Hitatsuki; Hapasagi Yard No. 491.)

Tons { Gross  
Net

Built at Hapasagi

By whom built Hitatsuki Zosen Kaisha Ltd. No. 491 When built 1931

Owners Daiei Kaisha Kaisha

Port belonging to Daiei

Engines made at Kobe

By whom made Hitatsuki Zosen Kaisha Ltd. Contract No. 122/123 When made 1931

Generators made at Hapasagi

By whom made " " " Contract No. 491-11/13 When made 1931

of Sets 3 Engine Brake Horse Power each 104 Nom. Horse Power as per Rule 22.8 Total Capacity of Generators 70 Kilowatts.

each = 68.4 Total each = 210

ENGINES, &amp;c.—Type of Engines Hitatsuki-Kiyos Heavy Oil 2 or 4 stroke cycle 4 Single or double acting single

Maximum pressure in cylinders 50 kg/cm<sup>2</sup> Diameter of cylinders 225 mm Length of stroke 350 mm No. of cylinders 3 No. of cranks 3

Position of bearings, adjacent to the Crank, measured from inner edge to inner edge 268 mm

Is there a bearing between each crank Yes

Revolutions per minute 400 Flywheel dia. 1350 mm Weight 1.694 tons Means of ignition Heat &amp; Compression Kind of fuel used Heavy oil

Crank Shaft, dia. of journals as per Rule Approved as fitted 140 mm Crank pin dia. 140 mm Crank Webs Mid. length breadth 215 mm Thickness parallel to axis

Flywheel Shaft, diameter as per Rule as fitted Intermediate Shafts, diameter as per Rule as fitted Thickness of cylinder liners 22.5 mm

Is there a bearing between each crank Yes

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The foregoing is a correct description,

Manufacturer.

KOBÉ SHIPYARD &amp; ENGINE WORKS, LTD.

Yokuzo Maeda  
For Superintendent Engineer

© 2020

Lloyd's Register  
Foundation

W1278-0189



IS A DONKEY  
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Dates of Survey while building  
During progress of work in shops - -  
During erection on board vessel - -  
Total No. of visits

Sept. 17, 29; Dec. 3, 19, 24; 1930. Jan 10, 31; Feb. 2, 4, 6, 16, 20  
14, 24, 25, 28; April 4, 6, 10, 11, 15, 16, 1931.  
25.

Dates of Examination of principal parts—Cylinders 3924/12/30 2/2/31  
17929/9/30  
Connecting rods 4416/2/31  
Crank and Flywheel shaft 22/16/30  
Covers 246/2/31 5/3/31  
Pistons 16/4/31  
Intermediate shaft 16/4/31

Crank and Flywheel shaft, Material O.H.M. Steel Identification Mark No. 2873-48 No. 2893  
A.D.M. B 22-10-30 and 7-11-30  
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.)

These engines, & the air receiver, have been constructed under special in accordance with the approved plans, Rules & Instructions. Have been tested by the Surveyor to this Society.

Each set has been tested under full load & over condition connected to their generators. After trials, have been opened up & examined.

The materials & workmanship are, in my opinion, & the machines & air receiver eligible for classification.

They have been despatched to Nagasaki for in vessel No. 491. The crank cases of the engines stamped as follows:

ENG. No 122  
LLOYDS  
No. 3018  
H.D.B. R  
16-4-31

ENG. No 123  
LLOYDS  
No 3019  
H.D.B. R  
16-4-31

ENG. No 124  
LLOYDS  
No 3020  
H.D.B. R  
16-4-31

The air receiver is stamped:

LLOYDS  
W.J.P. 47 Kg/cm<sup>2</sup>  
No. 2991  
H.D.B. R 55.  
26-2-31

A copy of this report has been sent to the Surveyor at Nagasaki.

The amount of Fee ... \$460-

Travelling Expenses (if any) \$50-

When applied for,

17-4-1931

When received,

19

Committee's Minute

Assigned

For A.D. Buchanan &

S. S. S. S. S.

Surveyor to Lloyd's Register of Shipping.



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Foundation