

# REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

126579

No.

4c.

of writing Report 24/3/53 19 53 When handed in at Local Office 24/3/53 19 53 Port of London Received at London Office

o. in Survey held at London Date, First Survey 18 February Last Survey 4 March 19 53

Size of opening 8523 on the Single Screw vessel S.S. "STANPOOL" Number of Visits 3

at W. Haslepool By whom built Wm Gray & Co Ltd Yard No. 1266 When built 1951

Engines made at Dagenham By whom made Russell Newbery & Co Port belonging to London Contract No. 10FL 7655 When made 1953

Generators made at Dagenham By whom made Russell Newbery & Co Contract No. 10FL 7655 When made 1953

of Sets 1 Engine Brake Horse Power 11 M.N. as per Rule 11 Total Capacity of Generators 11 Kilowatts.

Intended for essential services Fire pump

L ENGINES, &c.—Type of Engines high speed compression ignition 2 or 4 stroke cycle 4 Single or double acting single

imum pressure in cylinders 850 p.s.i. Diameter of cylinders 4 1/8" Length of stroke 6" No. of cylinders 1 No. of cranks 1

indicated pressure 105 Firing order in cylinders 1-3-4-2 Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 6 1/16"

ere a bearing between each crank Yes Moment of inertia of flywheel 18229 (16 m<sup>2</sup> or Kg.-cm.<sup>2</sup>) 18229 Revolutions per minute 1200

Wheel dia. 20 1/2" Weight 264 lbs Means of ignition Compression Kind of fuel used pool

ank Shaft, dia. of journals 2 3/8" Crank pin dia. 2 5/8" Crank Webs 3 1/2" Mid. length breadth 1 5/16" Thickness parallel to axis shrunk

Intermediate Shafts, diameter 2 3/8" General armature, moment of inertia (16 m<sup>2</sup> or Kg.-cm.<sup>2</sup>) 18229

Means provided to prevent racing of the engine when declutched Yes Means of lubrication Forced Kind of damper if fitted none

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

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

ricating Oil Pumps, No. and size 1 gear pump 2 gal/min

Compressors, No. 1 No. of stages 1 Diameters 2 1/2" Stroke 1 1/2" Driven by Engine

venting Air Pumps, No. 1 Diameter 2 1/2" Stroke 1 1/2" Driven by Engine

R RECEIVERS:—Have they been made under Survey Yes State No. of Report or Certificate 15/4/53

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

the internal surfaces of the receivers be examined Yes What means are provided for cleaning their inner surfaces None

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

Special Pressure Air Receivers, No. 1 Cubic capacity of each 100 Internal diameter 10" thickness 1/4"

less, lap welded or riveted longitudinal joint Yes Material Steel Range of tensile strength 50,000 Working pressure by Rules 100

ing Air Receivers, No. 1 Total cubic capacity 100 Internal diameter 10" thickness 1/4"

less, lap welded or riveted longitudinal joint Yes Material Steel Range of tensile strength 50,000 Working pressure by Rules 100

ELECTRIC GENERATORS:—Type DC

sure of supply 240 volts. Full Load Current 45 Amperes. Direct or Alternating Current Direct

ternating current system, state the periodicity 1/50 Has the Automatic Governor been tested and found as per Rule when full load is suddenly thrown Yes

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 Yes

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 Yes

ls of driven machinery other than generator None

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

Torsional Vibration characteristics if applicable been approved Yes Armature shaft Drawing No. 10FL 7655

RE GEAR makers supply covering Rule Requirements

The foregoing is a correct description,

AND ON BEHALF OF RUSSELL NEWBERY & CO LTD.

Manufacturer.



© 2021

Lloyd's Register Foundation

010283-010288-0059



Dates of Survey while building { During progress of work in shops - - 18-25 February 4 March 1953  
During erection on board vessel - - -  
Total No. of visits 3 in shops

Dates of Examination of principal parts—Cylinders 18-2-53 Covers 18-2-53 Pistons 18-2-53 Piston rods ✓

Connecting rods 18-2-53 Crank and Flywheel shafts 25-2-53 Intermediate shafts ✓

Crank shaft { Material EN8 Tensile strength 40 ton  
Elongation 20% Identification Marks LLOYDS 1768 EMS

Flywheel shaft, Material ✓ Identification Marks ✓

Identification marks on Air Receivers ✓

Is this machinery duplicate of a previous case. Yes 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 of tested materials the engine was examined during erection and under full load conditions the materials and workmanship are good. The engine is attached to Hamworthy Centrifugal water pump 100288 both secured to fabricated steel underbase.

The set is for W. Gray, Hartlepool

The Emergency fuel pump set as described herein has been satisfactorily installed in the Steering gear Compartment of the vessel "STANPOOL" and tested under working conditions with satisfactory results.

W. Hartlepool

The amount of Fee ... £ 5 : : : When applied for 24/3/1953

Travelling Expenses (if any) £ : : : When received 19

Committee's Minute

Assigned

See Rpt. 4.

TUESDAY 24 AUG 1954

W. L. Lloyds

Surveyor to Lloyd's Register of Shipping.



© 2021

Lloyd's Register Foundation

Rpt. 13.

Date of writing

No. in Reg. Book.

78523

Built at

Owners

Installation

Is vessel equ

Plans, have t

Heating

Prime Mover

with a trip s

Are the gener

Have machin

under 100 ku

starbo

is the ventila

damage from

arrang

are they in a

steam and oil

material is it

per Rule

for each gener

Overload

hole

and the switch

with Over

Switch

Are compartme

ammeters

protection devi

coupled to

Switches, Circu

make of fuses

overload do the

devices operate

if otherwise tha

under maximum

Are all the cab

damage

type of cables (i

and laundries

perforated

steel tray

plumbers

Are all lead shea

bulkheads provid

effectively bushed

Have refrigeratio

Are the motors o