

126579

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. _____

4c. Received at London Office _____

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

Survey held at _____ Date, First Survey 18 February Last Survey 4 March 19 53

Size of opening Book. Number of Visits 3

8523. on the Single Screw vessel S.S. "STANPOOL" Tons {Gross 4351 Net 4241

at W. Haslepool By whom built Wm Gray & Co Ltd Yard No. 1266 When built 1931

ers. Stanlope S.S. Co Ltd Port belonging to London

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

erators made at _____ By whom made _____ Contract No. _____ When made _____

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

et intended for essential services Fire pump

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 _____ 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 (lbs sq in) 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 _____ as per Rule As approved Crank pin dia. 2 5/8" Crank Webs Mid. length breadth 3 1/2" Thickness parallel to axis _____

as fitted 2 3/8" Mid. length thickness 1 5/16" shrunk Thickness round eye-hole _____

wheel Shaft, diameter _____ as per Rule _____ Intermediate Shafts, diameter _____ as per Rule _____

as fitted _____ General armature, moment of inertia (16 m² or Kg.-cm.²) _____

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 _____

ing Water Pumps, No. From main pump thro' header tank Is the sea suction provided with an efficient strainer which can be cleared within the vessel _____

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

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

venting Air Pumps, No. _____ Diameter _____ Stroke _____ Driven by _____

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

ach 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 _____

Special 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 _____

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

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 _____ is an adjustable regulating resistance fitted in series with each shunt field _____

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

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

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

e 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 makers supply covering Rule Requirements

ister of Ship _____

The foregoing is a correct description,

Manufacturer.

AND ON BEHALF OF RUSSELL NEWBERY & CO LTD.



© 2021
Lloyd's Register
Foundation
010283-010288-0058

JM
15/4/53

Dates of Survey while building: During progress of work in shops - - 18-25 February & 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 1768EMS

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. Hulley
 W. Hartlepool

The amount of Fee ... £ 5 : : : When applied for 24/3 / 1953
 Travelling Expenses (if any) £ : : : When received 19

TUESDAY 24 AUG 1954

Committee's Minute
 Assigned See Rpt. 4.

W. Hulley
 Surveyor to Lloyd's Register of Shipping.



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 ventilat
 damage from
 arrang.
 are they in ac
 steam and oil.
 material is it
 per Rule
 for each gener
 Overload
 hole
 and the switch
 with Ov
 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

7.
 AGC
 10-854

Im. 850.-T. (MADE AND PRINTED IN ENGLAND)
 (The Surveyors are requested not to write on or below the space for Committee Minute.)