

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 54501.

Date of writing Report 19... When handed in at Local Office 12 NOV 1947 19... Port of Hull Received at London Office 13 NOV 1947

No. in Survey held at Hull Date, First Survey 19. 5. 47. Last Survey 31. 10. 19. 47. Reg. Book. Number of Visits 18.

Single on the Twin Triple Quadruple Screw vessel KRISTIN (Ex. Admiralty Fire Float) Tons Gross... Net...

Built at... By whom built... Yard No... When built...

Owners Oddsson & Co., Port belonging to Hull

Oil Engines made at Altrincham By whom made Russell Newberry & Co. Engine No. 3767 Contract No. 2764 When made 1944

Generators made at... By whom made... Contract No... When made...

No. of Sets 1 Engine Brake Horse Power 27 Nom. Horse Power as per Rule... Total Capacity of Generator 12 Kilowatts.

OIL ENGINES, &c.—Type of Engines Diesel (Type D 3) 2 or 4 stroke cycle 4 Single or double acting Single

Maximum pressure in cylinders 860 lb Diameter of cylinders 4 1/8" Length of stroke 6" No. of cylinders 3 No. of cranks 3

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 5 1/8" Is there a bearing between each crank Yes

Revolutions per minute 1000 Flywheel dia. 22" Weight 263 lb Means of ignition... Kind of fuel used...

Crank Shaft, dia. of journals as per Rule. 2 1/2" as fitted. Crank pin dia. 2 3/8" Crank Webs Mid. length breadth 3 1/2" Thickness parallel to axis... Mid. length thickness 1 5/16" Thickness round eye-hole...

Flywheel Shaft, diameter as per Rule... Intermediate Shafts, diameter as per Rule... Thickness of cylinder liners Approved engine

Is a governor or other arrangement fitted to prevent racing of the engine when declutched Yes Means of lubrication Pumps

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

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

Lubricating Oil Pumps, No. and size 1

Air Compressors, No. 1 No. of stages 2 Diameters 1 1/8" 3 1/4" HP 3 3/4 Stroke LP 3 3/4 Driven by clutch to engine

Scavenging Air Pumps, No. Diameter Stroke Driven by

AIR RECEIVERS:—Have they been made under Survey See report on main engine. State No. of Report or Certificate

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

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

Is there a drain arrangement fitted at the lowest part of each receiver

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

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

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

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

ELECTRIC GENERATORS:—Type

Pressure of supply volts Full Load Current Amperes Direct or Alternating Current

If alternating current system, state the periodicity Has the Automatic Governor been tested and found as per Rule when full load is suddenly thrown on and off Generators, are they compounded as per Rule is an adjustable regulating resistance fitted in series with each shunt field

Are all terminals accessible, clearly marked, and furnished with sockets Are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched Are the lubricating arrangements of the generators as per Rule

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

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

PLANS.—Are approved plans forwarded herewith for Shafting Receivers Separate Tanks (If not, state date of approval)

SPARE GEAR

The foregoing is a correct description,

Manufacturer.



© 2021

Lloyd's Register Foundation

008186-008200-0191 1/2

HULL

Continuation of Report No. 54501. dated 31.10.47.

on the

"KRISTIN" ex "M.F.V. 1516".

Electrical Installation.

Special Survey and Recondition.

The generator was removed and repaired, a new main switchboard was supplied.

The whole of the installation was stripped out and a complete new one installed.

On completion the equipment was operated under working conditions with satisfactory results and the insulation resistance of all circuits and apparatus was measured and found good.

The foregoing may be considered for a Special Survey.

Fee:- Special Survey £3: 0: 0d.

Recondition £5: 5: 0d.

W. J. Connell

SURVEYOR TO LLOYD'S REGISTER
OF SHIPPING.

Report No 13 has been requested

BS

6.1.48.



© 2021

Lloyd's Register
Foundation

008186-008200-0191

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

Dates of Examination of principal parts—Cylinders. Covers. Pistons. Piston rods.

Connecting rods. Crank and Flywheel shafts. Intermediate shafts.

Crank shaft Material *O.H. Steel* Tensile strength *Ultimate 41.6 tons / D.*
Elongation *28.7% on 2"* Identification Marks *LLOYDS 1690 F.H. 23-3-44*

Flywheel shaft, Material. Identification Marks.

Is this machinery duplicate of a previous case. *No* Identification Marks.

Identification marks on Air Receivers. ☒

Is this machinery duplicate of a previous case. ☒ If so, state name of vessel. *CC*

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

The crankshaft of this engine was manufactured under the Society's survey and requirements. (Forging certificate attached).

It is understood that the engine was not built to the Society's survey & requirements, but has now been opened out and examined.

It is in good condition and operated satisfactorily under working conditions.

It is eligible to have the notation 2A1C without the distinguishing mark +.

The amount of Fee ... £ : : When applied for 19

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

Committee's Minute *FBI 16 JAN 1948*

Assigned *See minute on fe machy 7/1*

M. Chambers Bloodier
Surveyor to Lloyd's Register of Shipping.