

Date of writing Report

19

When handed in at Local Office

19

Port of NOTTINGHAM.

No. in Survey held at

Lincoln.

Date, First Survey

Last Survey

19

Reg. Book.

36579

Single
on the Twin
Triple
Quadruple

Screw vessel

M.V. LAMPANIA

Number of Visits

Tons

Gross

6438

Net

3625

Built at

Newcastle-on-Tyne

By whom built

Sunderland Forge & Eng. Co. Ltd.

Yard No. 690

When built

1947.5

Owners

Anglo-Saxon Petroleum Co. Ltd.

Believed to be Hawthorn Leslie & Co. Ltd.

Port belonging to

London

Oil Engines made at

Lincoln

By whom made

Ruston & Hornsby Ltd.

Contract No. 460238

When made

1947

Generators made at

Sunderland

By whom made

Sunderland Forge & Eng. Co. Ltd.

Contract No.

When made

No. of Sets

Engine Brake Horse Power

54

M.N. as per Rule

13.5

Total Capacity of Generators

30

Kilowatts

Is Set intended for essential services

No

OIL ENGINES, &c.—Type of Engines 4VPHZ. Eng. No. 253111. 2 or 4 stroke cycle 4 Single or double acting SA
Maximum pressure in cylinders 1000 lbs. Diameter of cylinders 5.3" Length of stroke 8" No. of cylinders 4 No. of cranks 4
Mean indicated pressure 109 lbs. Firing order in cylinders 1 - 3 - 4 - 2 Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 6.25/32"
Is there a bearing between each crank Yes Moment of inertia of flywheel 16 m² or Kg.-cm.² 2240 lb.-ft. Revolutions per minute 675
Flywheel dia. 21-8" Weight 510 lbs. Means of ignition Compression Kind of fuel used Diesel Oil.
Crank Shaft, dia. of journals as per Rule 4.3/16" Crank pin dia. 3.1" Crank Webs Mid. length breadth 5.3" Thickness parallel to axis -
as fitted 4.3/16" Mid. length thickness 1.3" shrunk Thickness round eyehole -

Flywheel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule General armature, moment of inertia (16 m² or Kg.-cm.²)
as fitted - as fitted -

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

Are the cylinders fitted with safety valves Yes Are the exhaust pipes and silencers water cooled or lagged with non-conducting material

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

Lubricating Oil Pumps, No. and size one - 376 gals. per hour. engine driven.

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

Scavenging Air Pumps, No. Diameter Stroke Driven by

AIR RECEIVERS:—Have they been made under Survey 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 No. G. 6523.

Pressure of supply 110 volts. Full Load Current 273 Amperes. Direct or Alternating Current D.C.

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 Yes Generators, are they compounded as per Rule Yes is an adjustable regulating resistance fitted in series with each shunt field Yes

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

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

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

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

Details of driven machinery other than generator Through clutch. One Reavell & Co. Ltd. Air Compressor No. G. 7702.

PLANS.—Are approved plans forwarded herewith for Shafting Standard Approved Receivers Separate Tanks

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

SPARE GEAR ? Spares checked on board

Ruston & Hornsby Limited,
The foregoing is a correct description,

Wams 5 1/4 47 Manufacturer.
Oil & Gas Engine Dept.



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Lloyd's Register
Foundation

003385-003390-0138

104516

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 24.1.47. Covers 24.1.47. Pistons 24.1.47. Piston rods -

Connecting rods 24.1.47. Crank and Flywheel shafts 16.9.46. 24.1.47. Intermediate shafts.

Crank shaft	Material	S. M. Steel.	Tensile strength	
	Elongation		Identification Marks	LL 3677C. T. D. S.

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.....Standard Type.....

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

This engine has been built under Special Survey, in accordance with approved Plans and Regulations of Society, material and workmanship being good.

On completion the set was tried in the Shops under working conditions and found satisfactory. Sunderland Surveyors requested to forward Maker's Test Certificate for generator to *Newcastle* Surveyors.

The set has been forwarded to *Newcastle* for installation on board the Vessel.

Generator set satisfactorily installed on board, tested under working conditions
- found satisfactory
J. R. Orde. Newcastle-on-Tyne.

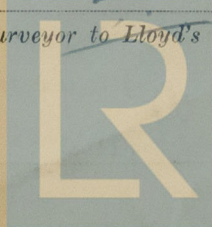
The amount of Fee ... £ 4 : 0 : 0 (When applied for 13.6. 1947.

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

Committee's Minute.....

Assigned _____

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



Lloyd's Register
Foundation