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1 AUG 1945
Date of writing Report 27 JUL 1945
When handed in at Local Office 27 JUL 1945
Port of LONDON
Received at London Office 27 JUL 1945
No. in Survey held at Reg. Book.
Single on the Twin Triple Quadruple
Screw vessel
Turners Shipping Co. No 388 for Whaling Factory
Built at Hariton Hill on Toss
By whom built Turners Shipping Co.
Yard No. 387
When built
Oil Engines made at Bedford
By whom made W. H. Allen & Sons Ltd
Contract No. 112/51834
When made 1945
Generators made at
By whom made
Contract No. 62/51835
When made
No. of Sets Engine Brake Horse Power 110 Nom. Horse Power as per Rule 28 Total Capacity of Generators 75 Kilowatts.

OIL ENGINES, &c. Type of Engines Diesel
Maximum pressure in cylinders 2000
Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 2827
Revolutions per minute 500
Flywheel dia. 1200
Weight 3500
Crank Shaft, dia. of journals as per Rule 1407
Crank pin dia. 1507
Means of ignition Compression
Kind of fuel used Diesel
Flywheel Shaft, diameter as per Rule
Intermediate Shafts, diameter as per Rule
Is a governor or other arrangement fitted to prevent racing of the engine when de-clutched
Are the cylinders fitted with safety valves
Cooling Water Pumps, No. One Centrifugal
Lubricating Oil Pumps, No. and size One Gear Rotary Type
Air Compressors, No.
Scavenging Air Pumps, No.
Is there a bearing between each crank
No. of cylinders 3
No. of cranks 3
Is there a bearing between each crank
Kind of fuel used Diesel
Mid. length breadth 2047
Mid. length thickness 707
Thickness parallel to axis
Thickness around eye-hole
Thickness of cylinder liners 192
Means of lubrication Forced
Are the exhaust pipes and silencers water cooled or lagged with non-conducting material
Is the sea suction provided with an efficient strainer which can be cleared within the vessel

AIR RECEIVERS: Have they been made under Survey
Is each receiver, which can be isolated, fitted with a safety valve as per Rule
Can the internal surfaces of the receivers be examined
Is there a drain arrangement fitted at the lowest part of each receiver
What means are provided for cleaning their inner surfaces
High Pressure Air Receivers, No.
Cubic capacity of each
Internal diameter
Material
Range of tensile strength
Working pressure by Rules
Starting Air Receivers, No. One
Seamless, lap welded or riveted longitudinal joint
Total cubic capacity 5 cu ft
Internal diameter 1'-6"
Material Steel
Range of tensile strength 25/30 tons
Working pressure by Rules 300 lbs

ELECTRIC GENERATORS: Type open
Pressure of supply 220 volts. Full Load Current
If alternating current system, state the periodicity
Amperes. Direct or Alternating Current D.C.
Generators, are they compounded as per rule
Has the Automatic Governor been tested and found as per rule when full load is suddenly thrown on and off
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
SPARE GEAR One complete set of Valves for one cylinder, 2 nozzles,
1 set piston rings for 1 piston, 6 byl. Hd. Studs nuts, 2 Bolts nuts for main bearing,
1 Big end Proj complete with Bolts, 1 Fuel Pump, 1 Gudgeon pin & bearing,
Fuel Injection pipe
Dynamo Spares: 2 Brush Holders, 1 set of brushes.

The foregoing is a correct description,

W. H. ALLEN, SONS & Co. Ltd. Manufacturer.
W. H. Allen, 14/4/45.

Dates of Survey while building { During progress of work in shops - - 1945 Feb 16. 20 Mar 23
During erection on board vessel - - - 3 (in shops)
Total No. of visits

Dates of Examination of principal parts—Cylinders 20. 2. 45 Covers 20. 2. 45 Pistons 20. 2. 45 Piston rods

Connecting rods 20. 2. 45

Crank and Flywheel shafts

Intermediate shafts

Crank and Flywheel shafts, Material

Steel

Identification Marks

270. LLOYDS T.T. 3806. 11.12.43. H.A. 16.2.45.

Intermediate shafts, Material

Identification Marks

Identification marks on Air Receivers

81/440751 20. 2. 45 H. 16. 2. 45 P 30016 2. 2. 45 341

Is this machinery duplicate of a previous case

General Remarks

(State quality of workmanship, opinions as to class, etc.)

The generator set was constructed under special survey in accordance with the requirements of the Rules and approved plans; the workmanship is good. The steel was made at Works approved by the Committee, and on completion the set was tested upon the bench under full and overload conditions and found satisfactory.

Note:

The generator set has been despatched to Haverton Hill on rails fitting on board the vessel.

The requirements of Circular 1803 have been complied with (per Mr. Moffat 31.8.45).

1m. 4.33.—Transfer, (MADE AND PRINTED IN ENGLAND)
(The Surveyor are requested not to write on or below the space for Committee Minute.)

The amount of Fee ... £ 10 : 10 :

When applied for, 27 JUL 1946

Travelling Expenses (if any) £ : 1/4/10 :

When received, 19

RWBomber

Surveyor to Lloyd's Register of Shipping.

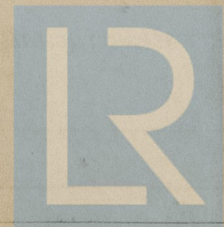
FRI. 15 FEB 1946

Committee's Minute

Assigned

See F.E. Macky, rpt.

Assigned



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Foundation