

2625

Yes 4c.

## REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS

No. 58164

8-MAR-1952

of writing Report 19 When handed in at Local Office 19 Port of HULL.  
 3/8" in Survey held at Hull. Date, First Survey 16. 1. 52 Last Survey 24. 2. 19 52  
 350 lb 065 on the ~~Deck~~ ~~Deck~~ ~~Deck~~ Screw vessel Motor Trawler "DAUNTLESS STAR"  
 at Selby. By whom built Cochrane & Sons, Ltd. Yard No. 1331 When built 1948  
 Boston Deep Sea Fishing & Ice Co. Ltd. Port belonging to Lowestoft.  
 Engines made at Manchester. By whom made Crossley Bros. Ltd. Contract No. - When made -  
 erators made at - do - By whom made - do - Contract No. BWB2131454 When made -  
 of Sets One Engine Brake Horse Power 30 M.N. as per Rule 7.5 Total Capacity of Generators Kilowatts.  
 et intended for essential services Yes

L ENGINES, &c.—Type of Engines Heavy Oil Crossley BWB2. 2 or 4 stroke cycle 4 ✓ Single or double acting Single  
 imum pressure in cylinders 850 lb/sq. inch Diameter of cylinders 5" ✓ Length of stroke 6 1/4" ✓ No. of cylinders 2 ✓ No. of cranks 2 ✓  
 in indicated pressure 121 Firing order in cylinders Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 12 5/8"  
 here a bearing between each crank No Moment of inertia of flywheel (16 m<sup>2</sup> or Kg.-cm.<sup>2</sup>) - Revolutions per minute 1000 ✓  
 wheel dia 24" Weight 460 Means of ignition Compression Kind of fuel used Diesel oil  
 ank Shaft, dia. of journals as per Rule 3 1/2" ✓ Crank pin dia. 3 1/4" ✓ Crank Webs Mid. length breadth 4 1/2" ✓ Thickness parallel to axis -  
 as fitted - Mid. length thickness 27/8" ✓ Thickness round eye-hole -  
 wheel Shaft, diameter as per Rule - Intermediate Shafts, diameter as per Rule - General armature, moment of inertia (16 m<sup>2</sup> or Kg.-cm.<sup>2</sup>) -  
 as fitted -  
 e means provided to prevent racing of the engine when declutched Yes Means of lubrication Forced Kind of damper if fitted -  
 e the cylinders fitted with safety valves No Are the exhaust pipes and silencers water cooled or lagged with non-conducting material Yes  
 Plunger type 600 gal/hr. at 1000 Revs.  
 ooling Water Pumps, No Is the sea suction provided with an efficient strainer which can be cleared within the vessel Yes  
 bricating Oil Pumps, No. and size One - 7/8 dia. x 1 1/4 stroke engine driven.  
 r Compressors, No - No. of stages - Diameters - Stroke - Driven by -  
 avenging Air Pumps, No - Diameter - Stroke - Driven by -

R RECEIVERS:—Have they been made under Survey State No. of Report or Certificate  
 each receiver, which can be isolated, fitted with a safety valve as per Rule  
 n the internal surfaces of the receivers be examined What means are provided for cleaning their inner surfaces  
 there a drain arrangement fitted at the lowest part of each receiver  
 gh Pressure Air Receivers, No Cubic capacity of each Internal diameter thickness  
 unless, lap welded or riveted longitudinal joint Material Range of tensile strength Working pressure by Rules  
 orting Air Receivers, No Total cubic capacity Internal diameter thickness  
 unless, lap welded or riveted longitudinal joint Material Range of tensile strength Working pressure by Rules

ELECTRIC GENERATORS:—Type Enclosed ventilated drip proof.  
 220 volts. Full Load Current - Amperes Direct or Alternating Current D.C.  
 alternating current system, state the periodicity - Has the Automatic Governor been tested and found as per Rule when full load is suddenly thrown  
 and off Yes Generators, are they compounded as per Rule Yes is an adjustable regulating resistance fitted in series with each shunt field Yes  
 e all terminals accessible, clearly marked, and furnished with sockets Yes Are they so spaced  
 shielded that they cannot be accidentally earthed, short circuited, or touched Yes Are the lubricating arrangements of the generators as per Rule Yes  
 the generators are under 100 kw. full load rating, have the makers supplied certificates of test Y - and do the results comply with the requirements -  
 the generators are 100 kw. or over have they been built and tested under survey -  
 tails of driven machinery other than generator "Hamworthy" Cir. Pump and Two Stage air compressor driven through clutch.

ANS.—Are approved plans forwarded herewith for Shafting No Receivers - Separate Tanks -  
 (If not, state date of approval)  
 ve Torsional Vibration characteristics if applicable been approved - Armature shaft Drawing No. -  
 (state date of approval)

ARE GEAR  
 Supplied to Rule requirements.

Shipping.

The foregoing is a correct description,

Manufacturer.



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Foundation

012501-012507-0222



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 Tensile strength  
Elongation Identification Marks

Flywheel shaft, Material Identification Marks

Identification marks on Air Receivers

Is this machinery duplicate of a previous case If so, state name of vessel

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

The amount of Fee ... £ : When applied for 19  
Travelling Expenses (if any) £ : When received 19

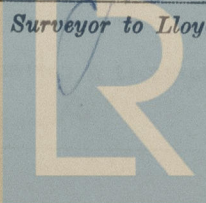
Committee's Minute

FRI. 28 MAR 1952

Assigned

See F.E. Welch, rpt.

Surveyor to Lloyd's Register of Shipping.



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