

belongs to Amsterdam report no. 15435

Rpt. 4c.

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 20575.

Date of writing Report 4. 6 1938 when handed in at Local Office 4. 6 38 Port of *Trinity* JUN - 8 1938
No. in Survey held at *Lincoln* Date, First Survey 9. 8. 37 Last Survey 26. 5. 1938
Reg. Book. Number of Visits 7

on the *Single* Screw vessel Tons { Gross
Twin }
Triple }
Quadruple }
Built at _____ By whom built _____ Yard No. _____ When built _____
Owners _____

Oil Engines made at *Lincoln* By whom made *Duxton & Hornsby, Ltd* ENGINE Contract No. *186537* When made *1938*
Generators made at _____ By whom made _____ Contract No. _____ When made _____
No. of Sets *1* Engine Brake Horse Power *40* Nom. Horse Power as per Rule *12.46* Total Capacity of Generators _____ Kilowatts.

OIL ENGINES, &c.—Type of Engines *2 VCRZ-Vertical Solid Injection* 2 or 4 stroke cycle *4* Single or double acting *Single*
Maximum pressure in cylinders *700 lbs.* Diameter of cylinders *8"* Length of stroke *10 3/4"* No. of cylinders *2* No. of cranks *2*
Span of bearings, adjacent to the Crank, measured from inner edge to inner edge *9 1/8"* Is there a bearing between each crank *Yes*
Revolutions per minute *450* Flywheel dia. *3'-4"* Weight *19 cwt.* Means of ignition *Compression* Kind of fuel used *Heavy Oil*
Crank Shaft, dia. of journals as per Rule *Approved* Crank pin dia. *4 3/4"* Crank Webs Mid. length breadth *8"* Thickness parallel to axis _____
as fitted *6"* Mid. length thickness *2 1/2"* shrunk Thickness around eyehole _____
Flywheel Shaft, diameter as per Rule *Approved* Intermediate Shafts, diameter as per Rule _____ Thickness of cylinder liners *3/4"*
as fitted *6"* as fitted _____
Is a governor or other arrangement fitted to prevent racing of the engine when declutched *Yes* Means of lubrication *Forced*
Are the cylinders fitted with safety valves *Yes* Are the exhaust pipes and silencers water cooled or lagged with non-conducting material *Water cooled*
Cooling Water Pumps, No. *One* Is the sea suction provided with an efficient strainer which can be cleared within the vessel _____
Lubricating Oil Pumps, No. and size *One, geared*
Air Compressors, No. _____ No. of stages _____ Diameters _____ Stroke _____ Driven by _____
Scavenging Air Pumps, No. _____ Diameter _____ Stroke _____ Driven by _____

AIR RECEIVERS:—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. Load _____ Amperes. Direct or Alternating Current _____
If alternating current system, state frequency of periods per second _____
Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off _____
Generators, do they comply with the requirements regarding rating _____ are they compound wound _____
are they over compounded 5 per cent. _____, if not compound wound state distance between each generator _____
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 _____

PLANS. Are approved plans forwarded herewith for Shafting *11. 11. 32* Receivers _____ Separate Tanks _____
(If not, state date of approval)

SPARE GEAR
As per Rule requirements ✓

Duxton & Hornsby, Limited.
The foregoing is a correct description,
J. Coyse
Manufacturer.



Dates of Survey while building { During progress of work in shops - - } 1937 Aug 9. 19. Sep 13. 1938 Mar 10. 30. May 23. 26.
 { During erection on board vessel - - - }
 Total No. of visits 7.

Dates of Examination of principal parts—Cylinders 26-5-38 Covers 26-5-38 Pistons 26-5-38 Piston rods ✓

Connecting rods 4-4-38 Crank and Flywheel shaft 10-3-38 Intermediate shaft ✓

Crank and Flywheel shafts, Material Steel ✓ Identification Mark LLOYD'S 3368-10-3-38 AS. ✓

Intermediate shafts, Material ✓ Identification Marks ✓

Is this machinery duplicate of a previous case Yes If so, state name of vessel Gen Rpt 20533

General Remarks (State quality of workmanship, opinions as to class, &c.)

This engine has been built under special survey in accordance with the Rules and approved plans.

The workmanship and materials are good.

Running tests have been carried out at the Maker's works with satisfactory results.

The engine is being despatched to Amsterdam to the order of Messrs N.V. Werf Gusto, Holland.

This engine has been fitted in Messrs Red. 804 My Yard No 6 by Mr Y Alberta and examined in working condition.

M. Young

Request for attached Gen Rpt 20533
 of 37/11.1486.

The amount of Fee £ 19.00 When applied for, £ 19.00
 Travelling Expenses (if any) £ 0.00 When received, £ 19.00

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

Committee's Minute FRI 11 NOV 1938

Assigned See Ans 15435
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100,631—Transfer.
 (The Surveyors are requested not to write on or below the space for Committee Minute.)