

Amsterdam report 15743

4c.

# REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS

No. 20913

of writing Report 22. 3. 1939 When handed in at Local Office 22. 3. 1939 Port of *Grimsby*  
in Survey held at *Lincoln* Date, First Survey 23. 6. 38 Last Survey 16. 4. 39  
Book. Number of Visits 11

AUG 10 1939

Single  
on the ~~Twain~~ Triple Screw vessel *M. Y. Ondina* Tons { Gross 6341  
Quadruple Net 3606  
ilt at *(Holland) Amsterdam* By whom built *Nederlandsche Stoomvaart Maatschappij N.V.* Yard No. When built 1939.  
ners *M. Y. Petroleum My Sea Corona* Port belonging to *S. Gravenhage.*  
Engines made at *Lincoln* By whom made *Ruston & Hornsby Ltd* ENGINE Contract No. 190486 When made 1939  
erators made at *✓* By whom made *✓* Contract No. *✓* When made *✓*  
of Sets *One* Engine Brake Horse Power 60 Nom. Horse Power as per Rule 17 Total Capacity of Generators *✓* Kilowatts.

5-61, ENGINES, &c.—Type of Engines *3 VCRZ Vertical Solid Injection* 2 or 4 stroke cycle *4* Single or double acting *Single*  
rimum pressure in cylinders *400 lbs.* Diameter of cylinders *8"* Length of stroke *10 3/4"* No. of cylinders *3* No. of cranks *3*  
n of bearings, adjacent to the Crank, measured from inner edge to inner edge *9 1/8"* Is there a bearing between each crank *Yes*  
olutions per minute *450* Flywheel dia. *3'-4"* Weight *19 cwt.* Means of ignition *Compression* Kind of fuel used *Heavy Oil*  
ank 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"* Thickness around eyehole *✓*  
ion wheel Shaft, diameter as per Rule *Approved* Intermediate Shafts, diameter as per Rule *✓* Thickness of cylinder liners *3/4"*  
as fitted *6"* as fitted *✓*  
a governor or other arrangement fitted to prevent racing of the engine when declutched *Yes* Means of lubrication *Forced*  
the cylinders fitted with safety valves *Yes* Are the exhaust pipes and silencers water cooled or lagged with non-conducting material *Water cooled.*  
oling Water Pumps, No. *One* Is the sea suction provided with an efficient strainer which can be cleared within the vessel *✓*  
bricating Oil Pumps, No. and size *One, geared*

Compressors, No. *✓* No. of stages *✓* Diameters *✓* Stroke *✓* Driven by *✓*  
evenging Air Pumps, No. *✓* Diameter *✓* Stroke *✓* Driven by *✓*

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 *✓*  
mless, lap welded or riveted longitudinal joint *✓* Material *✓* Range of tensile strength *✓* Working pressure by Rules *✓*  
arting Air Receivers, No. *✓* Total cubic capacity *✓* Internal diameter *✓* thickness *✓*  
mless, lap welded or riveted longitudinal joint *✓* Material *✓* Range of tensile strength *✓* Working pressure by Rules *✓*

ELECTRIC GENERATORS:—Type *✓*  
essure of supply *✓* volts. Full Load Current *✓* Amperes. Direct or Alternating Current *✓*  
alternating current system, state the periodicity *✓* Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on and off *✓*  
nerators, are they compounded as per rule *✓* is an adjustable regulating resistance fitted in series with each *✓*  
nt field *✓* Are all terminals accessible, clearly marked, and furnished with sockets *✓*

e 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 *✓*  
the generators are under 100 kw. full load rating, have the Makers supplied certificates of test *✓* and do the results comply with the requirements *✓*  
the generators are 100 kw. or over have they been built and tested under survey *✓*

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

ARE GEAR

*As per Rule requirements.* *✓*

The foregoing is a correct description

Ruston & Hornsby Limited,

*E. W. L. W. S.*

Oil & Gas Engine Dept.

Manufacturer.



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Foundation

003631-003639-0162



Dates of Survey while building { During progress of work in shops - - 1938 Jan 23 Jul 5 Oct 3 Nov 3. 10. 12 1939 Feb 9. 16. 20 Mar 9. 16  
During erection on board vessel - - - 17th April.  
Total No. of visits 11.

Dates of Examination of principal parts—Cylinders 9-3-39 Covers 9-3-39 Pistons 9-3-39 Piston rods ✓  
Connecting rods 10-11-38 Crank and Flywheel shafts 16-2-39 Intermediate shafts ✓  
Crank and Flywheel shafts, Material Steel Identification Marks LLOYD'S 3425-16-2-39 AS.  
Intermediate shafts, Material Housing Identification Marks LLOYD'S 3439-9-2-39 AS.  
Identification marks on Air Receivers ✓

Is this machinery duplicate of a previous case Yes If so, state name of vessel Gms Rpr h 20872.

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 Makers works with satisfactory results.

The engine has been despatched to Messrs. Noordnederlandse Loka Maatschappij, N.V., Amsterdam, for fitting on board the vessel.

This engine has been fitted on board for driven a Hoeks Auxiliary 2 cylinders 2 Stroke Compressor.

M. J. J. J.

9/2035/T/P/13/11055-38/13/4  
Request from attaché Gms Rpr 20790.

The amount of Fee ... £ 5 : — : When applied for, 22/3/39  
Travelling Expenses (if any) £ : : When received, 25-5-1939

Please see London Ltr. 25-5-39

Committee's Minute

Assigned

See F.E. machy rpt.

TUE 15 AUG 1939



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