

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

D2
No. 197

Received at London Office

Date of writing Report 19 When handed in at Local Office 19 Port of

No. in Survey held at Reg. Book. 34733. on the ^{Single} ~~Twin~~ ~~Triple~~ ~~Quadruple~~ Screw vessel "TAMESIS" Date, First Survey Last Survey 19 Number of Visits

Built at DANZIG. By whom built F. SCHICHAU G.m.b.H. Yard No. 1424 When built 1939. Tons { Gross 7256. Net 4411

Owners W. WILHELMSSEN, OSLO. Port belonging to TÖNSBERG.

Oil Engines made at ELBING. By whom made F. SCHICHAU G.m.b.H. Contract No. When made 1939.

Generators made at ? By whom made ? Contract No. When made

No. of Sets 235 Engine Brake Horse Power EACH. Nom. Horse Power as per Rule Total Capacity of Generators Kilowatts.

OIL ENGINES, &c.—Type of Engines HEAVY OIL. 2 or 4 stroke cycle 4 Single ~~double~~ acting YES.

Maximum pressure in cylinders 46 kg/cm² Diameter of cylinders 280 mm. Length of stroke 420 mm No. of cylinders 4. No. of cranks 4.

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 310 mm. Is there a bearing between each crank YES.

Revolutions per minute 360. Flywheel dia. Weight Means of ignition COMPRESSION Kind of fuel used HEAVY OIL.

Crank Shaft, dia. of journals as per Rule 157 mm. as fitted 170 mm. Crank pin dia. 170 mm. Crank Webs Mid. length breadth 250 mm. Thickness parallel to axis shrunk. Mid. length thickness 87.5 mm. Thickness around eye-hole

Flywheel Shaft, diameter as per Rule 157 mm. as fitted ? Intermediate Shafts, diameter as per Rule as fitted ? Thickness of cylinder liners ?

Is a governor or other arrangement fitted to prevent racing of the engine when declutched ? 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 yes ?

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 ?

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 yes. State No. of Report or Certificate ? (marks ?)

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 30 litres each Internal diameter 194 mm thickness 55 mm

Seamless, lap welded or riveted longitudinal joint yes. Material Steel. Range of tensile strength 5565 kgps Working pressure by Rules 30 kgps/cm²

ELECTRIC GENERATORS:—Type ?

Pressure of supply 230 volts. Full Load Current 2020 (TOTAL) Amperes. Direct or Alternating Current DIRECT.

If 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 ?

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

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 27/1/38. Receivers. 22/12/38. Separate Tanks

(If not, state date of approval)

SPARE GEAR

The foregoing is a correct description.

Manufacturer.



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Foundation

W264-0197

DZ

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 and Flywheel shafts, Material Identification Marks

Intermediate shafts, Material Identification Marks

Identification marks on Air Receivers

Is this machinery duplicate of a previous case No If so, state name of vessel

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

[Large blank area for handwritten notes and general remarks]

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

Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE 27 FEB 1940
Assigned See Surz. J.C. 197



Im. 11. 37. Transfer. (MADE IN ENGLAND.)
(The Surveyors are requested not to write on or below the space for Committee Minute.)