

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 14885

JUN 21 1937

Received at London Office

Writing Report 10-6-37 19 When handed in at Local Office 16-6-37 19 Port of GENOA
 Survey held at TURIN Date, First Survey 7/1/37 Last Survey 13/5/1937
 Number of Visits Eight

Single on the Turin Screw vessel "FELLA"
 Tons { Gross 6072
 Net 3748

at Trieste By whom built Stabilimento Tecnico Yard No. 745 When built 1926/3
 "ITALIA", Soc. Anon. di Nav. Port belonging to VENICE

engines made at Turin By whom made FIAT, Stab. Grandi Motori Contract No. 2407
 2408 When made 1937
 flors made at By whom made Contract No. When made

Sets 2 Engine Brake Horse Power 100 each Nom. Horse Power as per Rule 23 each Total Capacity of Generators Kilowatts.
 ENGINES, &c. Type of Engines FIAT. V.M. 175 2 or 4 stroke cycle 4 Single or double acting Single

on pressure in cylinders 50 kgs/cm² Diameter of cylinders 175 mm Length of stroke 300 mm No. of cylinders 5 No. of cranks 5
 bearings, adjacent to the Crank, measured from inner edge to inner edge 204 mm Is there a bearing between each crank Yes

ans per minute 600 Flywheel dia. 750 mm Weight 410 Kgs Means of ignition Compression Kind of fuel used Diesel Oil
 shaft, dia. of journals as per Rule 99.9 mm Crank pin dia. 110 mm Mid. length breadth 210 mm Thickness parallel to axis
 as fitted 110 mm Crank Webs Mid. length thickness 50 mm shrunk Thickness around eye-hole

el Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule Thickness of cylinder liners 16.75 mm
 as fitted
 or other arrangement fitted to prevent racing of the engine when declutched Yes Means of lubrication Forced

ylinders fitted with safety valves Yes Are the exhaust pipes and silencers water cooled or lagged with non-conducting material
 Water Pumps, No. One, centrifugal Is the sea suction provided with an efficient strainer which can be cleared within the vessel
 ing Oil Pumps, No. and size One, gear wheel

pressors, No. No. of stages Diameters Stroke Driven by
 ing Air Pumps, No. Diameter Stroke Driven by

RECEIVERS: Is each receiver, which can be isolated, fitted with a safety valve as per Rule
 surfaces of the receivers be examined What means are provided for cleaning their inner surfaces
 arrangement fitted at the lowest part of each receiver

essure Air Receivers, No. Cubic capacity of each Internal diameter thickness
 lap, welded or riveted longitudinal joint Material Range of tensile strength Working pressure by Rules

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

RIC GENERATORS: Type
 e of supply volts. Load Amperes. Direct or Alternating Current
 ating current system, state frequency of periods per second

Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off
 tors, do they comply with the requirements regarding rating are they compound wound

over compounded 5 per cent. if not-compound wound state distance between each generator
 ustable regulating resistance fitted in series with each shunt field Are all terminals accessible, clearly marked, and furnished with sockets

se spaced or shielded that they cannot be accidentally earthed, short circuited, or touched Are the lubricating arrangements of the generators as per Rule
 S. Are approved plans forwarded herewith for Shafting 7/4/36 Receivers Separate Tanks
 (If not, state date of approval)

E GEAR
 To be placed on board at Trieste.

FIAT
 The foregoing is a correct description.
 31 Via Sallustiana
 10121 ROMA (ITALY)

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 Lloyd's Register
 Foundation
 W37-0016

Dates of Survey while building { During progress of work in shops - - } 1937: Jan. 7, Feb. 4, Mar. 3, 20, April 1, 8, 29, May 13.
 { During erection on board vessel - - - } ✓
 Total No. of visits 8

Dates of Examination of principal parts—Cylinders 1/4/37 Covers 28/1/37 Pistons 4/3/37 Piston rods ✓

Connecting rods 20/3/37 Crank and Flywheel shaft 15.5.37 Intermediate shaft ✓

Crank and Flywheel shafts, Material S.M. Steel Identification Mark A 649 98
 A 650 98

Intermediate shafts, Material ✓ Identification Marks ✓

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.)

These Auxiliary Engines, Nos 2407, 2408, Type V.M. 175, have been constructed under Special Survey of tested materials and are in accordance with the Secretary's Letters, Approved Plans and Rule requirements.

The workmanship and materials are of a good quality and the engines when tested under load conditions on the test bed at the Maker's Works gave satisfactory results.

They are, in our opinion, suitable to be fitted on board a vessel classed with this Society and are suitable for their Special Purpose of driving electric dynamos.

On completion they have been despatched to Trieste where they are fitted on board the "M/S 'FELLA'" now undergoing modification to its machinery under the supervision of the Society's Surveyors at that Port.

DUAL SURVEY
 L.R. & R.I.

Line 1080
 Travelling (any) 2 line 400
 17.7.37 41/138

A. Linforth & J. Ballard
 Surveyors to Lloyd's Register

