

FIRST ENTRY REPORT ON AUXILIARY INTERNAL COMBUSTION ENGINES

Contract No. if name unknown) _____ Owners _____
 (Or Consignees)
 Built at Genova-Sestri by Ansaldo - Cantieri Navali when _____ Yard No. 1594
 Auxiliary Engines or Gas Turbines made at Saronno by Isotta Fraschini e Motori when '63-64 Eng. Nos. 266089
 Total No. of sets and description (including type name) 1 - D 26 S6V DK 556 A 4. Breda

INTERNAL COMBUSTION RECIPROCATING ENGINES. No. of cylinders per engine 6 Dia. of cylinders 180 mm. Stroke 190 mm.
 4 stroke cycle 4 Maximum approved BHP 384 at 1500 RPM Corresponding MIP 9.7 Maximum pressure 109.4
 class A BSS 2869 Are cylinders arranged in Vee or other special formation? 'V' of 60° If so, No. of _____

Crankshafts per engine 1 Is engine of opposed piston type? no. No. and type of mechanically driven scavenge pumps or blowers _____
 engine _____ No. of exhaust gas driven blowers or superchargers per engine _____ Is welded construction _____

Bedplate? yes Entablature? yes Total internal volume of crankcase (if 20 cu. ft. or over) 5 cu. ft. No. and total area of _____
 crankcase explosion relief devices 2 22 sq. in. Are flame guards or traps fitted? pyropress Cooling medium for: Cylinders water

oil _____ No. of attached pumps: F.W. cooling 1 S.W. cooling _____ Lubricating oil 1 How is engine started? electrically

SHAFTING. Is a damper or detuner fitted? No. No. of main bearings 5 Are bearings of ball or roller type? no Distance between _____
 inner edges of bearings in way of cranks 140 mm. Crankshaft: solid Material of crankshaft 38 NCD4 steel Approved _____

minimum tensile strength 95 Kg/mm2 Dia. of pins 110 mm. Journals 140 mm. Breadth of webs at mid throw 230 mm. Axial _____
 thickness 47 mm. If shrunk, radial thickness around eyeholes solid Dia. of flywheel 765 mm. Weight 380 Kg. Are balance _____

weights fitted? yes Total weight 84 Kg. Rad. of gyration 152 mm. Dia. of flywheel shaft 140 mm.
 as each engine been tested in shop? yes How long at full power? 4 hours Was it tested with driven machinery attached? Yes Was the _____

governing tested and found satisfactory? yes Date of approval of torsional vibration characteristics (for engines of 150 BHP and over) 18-10-63 & 4-2-64
 Date of approval of shafting 2.5.63 Identification marks on shafting LLOYD'S MI. 16.7.1963 - GL.

Particulars of driven machinery type DK 556 A 4 'Still' generator

Port and No. of Certificate for Starting Air Receivers _____

AUXILIARY GAS TURBINES. BHP per set _____ At _____ RPM of output shaft. Open or closed cycle? _____
 Arrangement of turbines. HP drives _____ at _____ RPM HP gas inlet temp. _____ pressure _____

IP _____ at _____ IP _____ pressure _____
 LP _____ at _____ LP _____ pressure _____

No. of air compressors per set _____ Centrifugal or axial flow type? _____ Material of turbine blades _____
 Material of compressor blades _____ No. of air coolers per set _____ No. of heat exchangers per set _____ How are _____

turbines started? _____ Are the turbines operated in conjunction with free piston gas generators? _____
 Total No. of free piston gas generators _____ Dia. of working pistons _____ Dia. of compressor pistons _____ No. of double strokes _____

per minute at full power _____ Gas delivery pressure _____ Gas delivery temperature _____
 Have the turbines and attached equipment been tested in shop? _____ How long at full power? _____ Were they tested with driven machinery _____

attached? _____ Particulars of gearing _____ Particulars of driven machinery _____
 Date of approval of plans _____ Identification marks _____

Manuf ELECTRIC GENERATORS. Port and No. of Certificate for generators of 100 Kw. and over Hamburg Cert. No. 63/1970

For generators under 100 Kw., has Makers' Certificate been obtained? _____ Are Certificates attached? _____
 The foregoing description is correct and the particulars are as approved for torsional vibration characteristics (strike out words not applicable)
Isotta Fraschini & Motori Breda - Saronno. Manufacturer

Is this machinery duplicate of a previous case? yes If so, which? see Rpt ,45 for yard No. 1593.

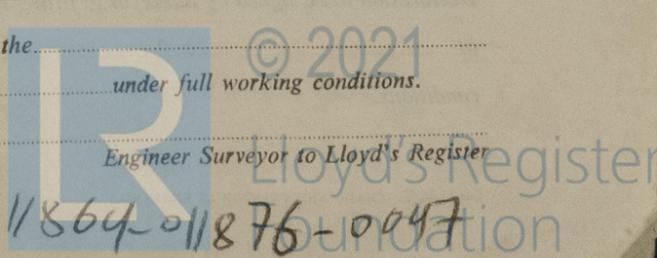
GENERAL REMARKS. State if the machinery has been constructed under special survey in accordance with the Rules, approved plans and Secretary's letters. State quality of materials and workmanship. Where existing machinery is submitted for classification the circumstances should be explained as fully as possible.
 The above machinery was constructed under special survey, in accordance with the Rules and approved plans. All the materials were submitted to the tests required by the Rules and found satisfactory; workmanship satisfactory throughout.

Survey Fee 101280 Lire
 Expenses 9108 lire
 Date when a/c rendered 17.2.64

(Ing. G. Levi)
 Engineer Surveyor to Lloyd's Register

Declaration to be signed by Surveyor at fitting-out Port:— The above described machinery has been fitted on board the _____ under full working conditions.
 at _____ in a proper manner and found satisfactory when tested on the (date) _____

Engineer Surveyor to Lloyd's Register



5620

17/6/64