18 SEP.1961

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of writing report 31st August, 1961. Received London ..... Port of GENOA No. 26299

y held at GENOA No. of visits 3 First date 12/8/1961 Last date 24/8/1961

FIRST ENTRY REPORT ON AUXILIARY INTERNAL COMBUSTION ENGINES

ne of Ship m.v. "AGOSTINO FASSIO" Owners "FASSIO" Soc.di Nav.p.A. (Or Consignees)
Contract No. if name unknown).
Built at Taranto by Cant.Nav. di Taranto when 1954 Yard No. .....
iliary Engines ~~or Gas Turbines~~ made at Ancona by Cantieri Navali Riuniti when stock Eng. Nos. 4790 & 10
l No. of sets and description (including type name) –

ERNAL COMBUSTION RECIPROCATING ENGINES. No. of cylinders per engine 4 Dia. of cylinders 200mm. Stroke 270mm.
4 stroke cycle 4 Maximum approved BHP 100 at 500 RPM Corresponding MIP 5.9Kg/cm² Maximum pressure 55Kg/cm²
marine diesel oil Are cylinders arranged in Vee or other special formation? no - vertical in line If so, No. of
kshafts per engine – Is engine of opposed piston type? no No. and type of mechanically driven scavenge pumps or blowers
engine none No. of exhaust gas driven blowers or superchargers per engine none Is welded construction
for: Bedplate? no Entablature? no Total internal volume of crankcase (if 20 cu. ft. or over) 20,12c.f. No. and total area of
kcase explosion relief devices one - 16 sq.in. Are flame guards or traps fitted? no Cooling medium for: Cylinders fresh water
ons none No. of attached pumps: F.W. cooling one S.W. cooling none Lubricating oil one How is engine started? air(compressed)

AFTING. Is a damper or detuner fitted? no No. of main bearings 5 Are bearings of ball or roller type? no Distance between
edges of bearings in way of cranks 220mm. Crankshaft: ~~Built, semi-built~~ solid. Material of crankshaft S.M. forged steel Approved
mum tensile strength 50Kgs/mm² Dia. of pins 125mm. Journals 125mm. Breadth of webs at mid throw 175mm. Axial
ness 60mm. If shrunk, radial thickness around eyeholes – Dia. of flywheel 140 mm. Weight – Are balance
hts fitted? no Total weight – Rad. of gyration – Dia. of flywheel shaft –
each engine been tested in shop? – How long at full power? – Was it tested with driven machinery attached? – Was the
rning tested and found satisfactory? – Date of approval of torsional vibration characteristics (for engines of 150 BHP and over) –
of approval of shafting 1/8/61 & 25/6/1952 Identification marks on shafting RINa-P 124 - D.MI.26425 -AN 11/2/57 AR
iculars of driven machinery Air compressor and 70 kw.generator for harbour service.

and No. of Certificate for Starting Air Receivers –

ILIARY GAS TURBINES. BHP per set ..... At ..... RPM of output shaft. Open or closed cycle? .....
ngement of turbines. HP drives ..... at ..... RPM HP gas inlet temp. ..... pressure .....
(Full diagram should be ed showing gas cycle) IP " ..... at ..... " IP " " " ..... " .....
LP " ..... at ..... " LP " " " ..... " .....
of air compressors per set ..... Centrifugal or axial flow type? ..... Material of turbine blades .....
rial of compressor blades ..... No. of air coolers per set ..... No. of heat exchangers per set ..... How are
nes started? ..... Are the turbines operated in conjunction with free piston gas generators? .....
No. of free piston gas generators ..... Dia. of working pistons ..... Dia. of compressor pistons ..... No. of double strokes
inute at full power ..... Gas delivery pressure ..... Gas delivery temperature .....
the turbines and attached equipment been tested in shop? ..... How long at full power? ..... Were they tested with driven machinery
hed? ..... Particulars of gearing .....
of approval of plans ..... Identification marks ..... Particulars of driven machinery .....

CTRIC GENERATORS. Port and No. of Certificate for generators of 100 Kw. and over .....
enerators under 100 Kw., has Makers' Certificate been obtained? ..... Are Certificates attached? .....

oregoing description is correct and the particulars are as approved for torsional vibration characteristics (strike out words not applicable)

..... Manufacturer

s machinery duplicate of a previous case? ..... If so, which? .....

ERAL REMARKS. State if the machinery has been constructed under special survey in accordance with the Rules, approved plans and Secretary's letters. quality of materials and workmanship. Where existing machinery is submitted for classification the circumstances should be explained as fully as possible.

new oil engine has been built for stock and under the Survey of the Registro Italiano Navale and ican Bureau of Shipping. This new oil engine has now been installed in a proper manner on board under Survey, found satisfactory when tested under full working condition, afterwards the engine has been ed out, examined and found in good order. The crankshaft has been also examined and checked with the oved plan No. A 031041 and found in order.(See Secretary letter dated 1/8/1961).

y Fee (See Rpt 8)
ses .....
when a/c rendered .....

(S. Follo)
Engineer Surveyor to Lloyd's Register

ration to be signed by Surveyor at fitting-out Port:— The above described machinery has been fitted on board the m.v."AGOSTINO FASSIO"of Genoa
GENOA in a proper manner and found satisfactory when tested on the (date) 19/8/1961 under full working conditions.

(S. Follo)
Engineer Surveyor to Lloyd's Register

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