PLEASE SEE MUNICH REPORT 4C N°. 980

t. 4c

of writing report 30th May, 1958 Received London 6 JUN 1958 Port TRIESTE No. 14790

ey held at Trieste No. of visits See Sep. Sheet First date Last date

# FIRST ENTRY REPORT ON AUXILIARY INTERNAL COMBUSTION ENGINES

me of Ship STT " MARIAROSA AUGUSTA" Owners Cia. Armatoriale PRORA S.p.A. (Or Consignees)
r Contract No. if name unknown).

ip Built at Trieste by C.R.D.Adriatico when 1958 Yard No. 1826

xiliary Engines or Gas Turbines made at München by Süddeutsche Bremen A.G. when 1957 Eng. Nos. 95235

otal No. of sets and description (including type name) One Heavy Oil. Engine makers type RHS 518 S

**NTERNAL COMBUSTION RECIPROCATING ENGINES.** *No. of cylinders per engine* *Dia. of cylinders* *Stroke*

*or 4 stroke cycle* *Maximum approved BHP* *at* *RPM* *Corresponding MIP* *Maximum pressure*

*uel* *Are cylinders arranged in Vee or other special formation?* *If so, No. of*

*ankshafts per engine* *Is engine of opposed piston type?* *No. and type of mechanically driven scavenge pumps or blowers*

*r engine* *No. of exhaust gas driven blowers or superchargers per engine* *Is welded construction*

*ed for: Bedplate?* *Entablature?* *Total Internal volume of crankcase (if 20 cu ft. or over)* *No. and total area of*

*rankcase explosion relief devices* *Are flame guards or traps fitted?* *Cooling medium for: Cylinders*

*istons* *No. of attached pumps: F.W. cooling* *S.W. cooling* *Lubricating oil* *How is engine started?*

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**SHAFTING.** *Is a damper or detuner fitted?* *No. of main bearings* *Are bearings of ball or roller type?* *Distance between*

*nner edges of bearings in way of cranks* *Crankshaft: Built, semi-built, solid.* *Material of crankshaft* *Approved*

*inimum tensile strength* *Dia. of pins* *Journals* *Breadth of webs at mid throw* *Axial*

*hickness* *If shrunk, radial thickness around eyeholes* *Dia. of flywheel* *Weight* *Are balance*

*weights fitted?* *Total weight* *Rad. of gyration* *Dia. of flywheel shaft*

*Has each engine been tested in shop?* *How long at full power?* *Was it tested with driven machinery attached?* *Was the*

*governing tested and found satisfactory?* *Date of approval of torsional vibration characteristics (for engines of 150 BHP and over)*

*Date of approval of shafting* *Identification marks on shafting*

*Particulars of driven machinery* One electric 94 KVA 450 Volt. A.C. Generator N°.8003472
and 2 KW 110 Volt. D.C. Exciter N°.137908

*Port and No. of Certificate for Starting Air Receivers*

**[illegible].** *BHP per set* *At* *RPM of output shaft. Open or closed cycle?*

*Arrangement of turbines.* *HP drives* *at* *RPM* *HP gas inlet temp.* *pressure*

*(A small diagram should be attached showing gas cycle)* *IP* „ *at* „ *IP* „ „ „ „

*LP* „ *at* „ *LP* „ „ „ „

*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*

**ELECTRIC GENERATORS.** *Port and No. of Certificate for generators of 100 Kw. and over* none

*For generators under 100 Kw., has Makers' Certificate been obtained?* yes *Are Certificates attached?* yes

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

*Manufacturer*

*Is this machinery duplicate of a previous case?* *If so, which?*

**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.*

*Survey Fee*

*Expenses*

*Date when a/c rendered*

*Engineer Surveyor to Lloyd's Register*

30/6/58

*Declaration to be signed by Surveyor at fitting-out Port:— The above described machinery has been fitted on board the* S.T.T. "MARIAROSA AUGUSTA"
*at* Trieste *in a proper manner and found satisfactory when tested on the (date)* 3rd & 11th April, 1958 *under full working conditions.*

*Engineer Surveyor to Lloyd's Register*

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