15 JAN 1959 COPY SENT TO NAPLES OFFICE.

Rpt. 4c

Date of writing report 24th December, 1958 Received London ..... Port of GENOA No. 23864

Survey held at GENOA No. of visits 20= First date 27-1-58 Last date 1-12-58.

FIRST ENTRY REPORT ON AUXILIARY INTERNAL COMBUSTION ENGINES

Name of Ship M/V NAVALMECCANICA - YARD No.624 *Owners* -
(Or Contract No. if name unknown). *(Or Consignees)*
Ship Built at Castellammare di Stabia *by* S.A.Navalmeccanica *when* 1958 *Yard No.* 624
Auxiliary Engines ~~or Gas Turbines~~ *made at* Genoa/Sampierdarena *by* S.A.Ansaldo-Stab. Meccanico *when* 1958 *Eng. Nos.* 2656179-180-181.
Total No. of sets and description (including type name). 3-200 KW Oil Engine Generator Sets - Oil Engine type Ansaldo Q 265/6

INTERNAL COMBUSTION RECIPROCATING ENGINES. *No. of cylinders per engine* 6 *Dia. of cylinders* 265 mm. *Stroke* 410 mm. *2 or 4 stroke cycle* 4 *Maximum approved BHP* 300 *at* 375 RPM *Corresponding MIP* 6.55 Kg/cm² *Maximum pressure* 60 Kg/cm² *Fuel* Diesel Oil *Are cylinders arranged in Vee or other special formation?* no *If so, No. of crankshafts per engine* - *Is engine of opposed piston type?* no *No. and type of mechanically driven scavenge pumps or blowers per engine* none *No. of exhaust gas driven blowers or superchargers per engine* none *Is welded construction used for: Bedplate?* no *Entablature?* no *Total internal volume of crankcase (if 20 cu. ft. or over)* 1,98 m³ *No. and total area of crankcase explosion relief devices* 6- 328.8 cm² *Are flame guards or traps fitted?* no *Cooling medium for: Cylinders* F.W. *Pistons* - *No. of attached pumps: F.W. cooling* - *S.W. cooling* - *Lubricating oil* One *How is engine started?* by Compressed Air.

SHAFTING. *Is a damper or detuner fitted?* no *No. of main bearings* 8 *Are bearings of ball or roller type?* no *Distance between inner edges of bearings in way of cranks* 354 mm. *Crankshaft:* ~~Built, semi-built~~, solid. *Material of crankshaft* S.M. Steel *Approved minimum tensile strength* 50 Kg/mm² *Dia. of pins* 165 mm. *Journals* 165 mm. *Breadth of webs at mid throw* 270 mm. *Axial thickness* 78.5 mm. *If shrunk, radial thickness around eyeholes* - *Dia. of flywheel* 1400 mm. *Weight* 1340 Kg. *Are balance weights fitted?* no *Total weight* - *Rad. of gyration* - *Dia. of flywheel shaft* 165 mm.
Has each engine been tested in shop? yes *How long at full power?* 3 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)* 6 8-11-57
Date of approval of shafting 15-3-55 *Identification marks on shafting* S.5926 W.G. 17-4-58 LLOYD'S GEN. P.80 W.G. 12-5-58 P.24 W.G. 12-6-58 393 E
Particulars of driven machinery 200 KW d.c.Generator 230 V. - 870 A 375 RPM; Ansaldo - S.Giorgio No. 16336 - 16337 - 16338.
Port and No. of Certificate for Starting Air Receivers Copy herewith attached. Milano A.27/Bis

21.1.59

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* .....
(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* .....
Date of approval of plans ..... *Identification marks* ..... *Particulars of driven machinery* .....

ELECTRIC GENERATORS. *Port and No. of Certificate for generators of 100 Kw. and over* sent to Naples Office: (Genoa M.2738, M.2818, M.2739)
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)

ANSALDO S. A. STABILIMENTO MECCANICO Condirettore

Manufacturer

Is this machinery duplicate of a previous case? yes *If so, which?* M/V "LA PINTADA" - See Genoa Report No. 23796.=

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.*

These Oil Engines have been constructed under special survey of tested materials and are in accordance with the approved plans, Secretary's letters and Rule requirements.- The materials and workmanship are good.- These Engines have been tried under working condition in shop at full power with satisfactory results.

Survey Fee Lit. 206.310 less 15% = Lit. 175.364
Expenses Lit. 38.438.- REV. TAX Lit. 8.547
Date when a/c rendered 12/1/1959

(W. Giunti).
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 M.V. "PALLADE" *at* NAPLES. *in a proper manner and found satisfactory when tested on the (date)* 3-7-59. *under full working conditions.*

E.F. BUTLER.
Engineer Surveyor to Lloyd's Register

PLEASE RETURN THIS REPORT WITH YOUR FIRST ENTRY.

© 2021 Lloyd's Register Foundation

013812-013820-0229