





Rpt. 4c

Date of writing report 29th Sept., 1960.

Received London

Port of Genoa

No. 25391

Survey held at Genoa &amp; La Spezia

No. of visits 26

First date 14/11/57

Last date 24/9/59

# FIRST ENTRY REPORT ON AUXILIARY STEAM TURBINE ~~OR STEAM~~ RECIPROCATING ENGINES

Name of Ship "CRISTINA D'AMICO"  
(Or Contract No. if name unknown)Owners ORTIGIA - S.p.A. di Navigazione  
(Or Consignees)

Ship Built at La Spezia-Muggiano

by S.A. Ansaldo-Cantieri di Muggiano

when 1960 Yard No. 1540

Auxiliary turbines or engines made at Genoa-Sampierdarena

by S.A. Ansaldo-Stabilimento Meccanico

when 1959 Eng. Nos. 1644

Total No. of sets and description TWO - 550 KW turbogenerator sets : each consisting of steam turbine driving a 550 KW d.c. generator through single reduction gearing.

STEAM TURBINES. No. of turbines per set One BHP per set 770 Steam pressure 47 Kg/cm<sup>2</sup> Steam temperature 450°C.

Type of turbines One impulse wheel with two rows of blades - 22 rows of reaction blading.

Particulars of gearing Single reduction gearing.

RPM of turbine shaft 8154 PCD of pinion 128,988 mm. PCD of wheel 876,530 mm. Material of

pinion Cr.Ni.Mo.Steel Material of wheel rim carbon steel Has rotor been dynamically balanced? yes Diameter of rotor

shaft at bearings 80 mm. Does the set include a steam condenser? yes Is an emergency governor fitted? yes No. and purpose of

attached pumps ONE - lubricating oil pump. Has the set been tested in the shop? yes If so, for how long at full

power? 3 hours Was the governing tested and found satisfactory? yes Was the set tested with driven machinery attached? yes

Identification marks Particulars of driven machinery 550 KW d.c. generator 2400 Amps

TURBINE ROTORS LLOYD'S GEN.-S.5653 W.G. 13-8-59 = LLOYD'S GEN. S.5651 W.G. 13-8-59. serial No 16120-16121.

PINIONS LLOYD'S GEN.-P.1474 A.G. 29-5-59 = LLOYD'S GEN. P.1475 A.G. 1-6-59.

GEAR WHEELS (RIMS : LLOYD'S GEN.-P.2934 A.G. 15-6-59 = LLOYD'S GEN. P.2933 A.G. 29-5-59.

(SHAFTS : LLOYD'S GEN.-P.2912 A.G. 15-6-59 = LLOYD'S GEN. P. 83 A.G. 29-5-59.

STEAM RECIPROCATING ENGINES. BHP of each at RPM Steam pressure

Dia. of cylinders Stroke Dia. of crankshaft journals Pins Material of

crankshaft Is crankcase enclosed? If so, is the internal volume 20 cu. ft. or over? No. and total area of crankcase

explosion relief devices fitted? Are the bearings forced lubricated? No. and purpose of attached pumps

Is a Governor Fitted? Identification Marks

Particulars of Driven Machinery

ELECTRIC GENERATORS. Port and No. of Certificate for generators of 100 Kw. and over Genoa No M.2133 &amp; M.2134.

For generators under 100 Kw., has Makers' Certificate been obtained? Are Certificates attached? yes (to Rpt.13).

The foregoing description is correct.

ANSALDO S.A.  
STABILIMENTO MECCANICO

Manufacturer

Is this machinery duplicate of a previous case? yes If so, which? "MARIA"  
(ADELAIDE" See Genoa Report No. 24885.

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 sets 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 sets have been satisfactorily tried under working condition in shop with satisfactory results.

Survey Fee 150,000 - 15% 197,500  
Expenses 20,195  
REV. TAX 10/10/59  
Date when a/c rendered

(A. Grasselli &amp; 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 S/T "CRISTINA D'AMICO"  
at La Spezia in a proper manner and found satisfactory when tested on the (date) 13.6.60 under full working conditions.

(F. Battagli)

Engineer Surveyor to Lloyd's Register