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17 - 2

36	1	4
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185-7346

31-JUN-57-12

21-28-AY-5.10.e

4-6-77-77-13-13

No. of Visits

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18



Is { a Donkey Boiler fitted? YES } If so, is a report now forwarded? YES  
{ an Auxiliary }  
Is the donkey boiler intended to be used for domestic purposes only and ESSENTIAL SERVICES  
Plans. Are approved plans forwarded herewith for Shafting 24-2-50 Main Boilers 13-4-50 Auxiliary Boilers ✓ Donkey Boilers 6-12  
(If not, state date of approval) 22-6-50 13-9-50  
Superheaters 13-7-50 General Pumping Arrangements 4/4/50-27-3-51 Oil Fuel Burning Arrangements 4-7-50, 14-6-  
Geared turbines situated aft. Have torsional vibration characteristics of system been approved ✓ Date of approval ✓

SPARE GEAR.

Has the spare gear required by the Rules been supplied YES  
State the principal additional spare gear supplied: 1 HP 1/2 reduction pinion shaft  
1 IP x LP pinion shaft

ANSALDO S. A.  
STABILIMENTO MECCANICO

The foregoing is a correct description,

Dates of Survey while building: During progress of work in shops - FROM 14-12-50 TO 28-7-52  
During erection on board vessel - FROM 7-4-51 TO 22-12-52  
Total No. of visits 210  
Dates of Examination of principal parts: Casings FROM 9-7-51 TO 17-1-52 Rotors FROM 2-4-51 TO 28-2-52 Blading FROM 25-6-51 TO 28-2-52 Gearing FROM 18-7-51 TO 4-4-52  
Wheel shaft ✓ Thrust shaft 26-7-51 27-3-52 Intermediate shafts 22-4-52 27-6-52 Tube shaft ✓ Screw shaft 29-5-51 31-11-51  
Propellers 3-11-52 Stern tube 5-5-51 8-5-51 Engine and boiler seatings 7-4-51 Engine holding down bolts 29-4-52, 26-8-  
Completion of fitting sea connections 29-5-51 Completion of pumping arrangements 1-11-52 Boilers fixed 30-10-51 Engines tried under steam at full power.  
Main boiler safety valves adjusted 25-11-52 27-11-52 Thickness of adjusting washers SEE SEPARATE SHEET.  
Rotor shaft, Material and tensile strength HP: NI-CR-MO STEEL - U.T.S. 63/75 Kg/mm<sup>2</sup> Identification Mark SEE SEPARATE S  
Flexible Pinion Shaft, Material and tensile strength ✓ Identification Mark ✓  
Pinion shaft, Material and tensile strength NI-VA STEEL - U.T.S. > 75 Kg/mm<sup>2</sup> Identification Mark SEE SEPARATE S  
; Chemical analysis of pinion shafts: C: 0.24 ± 0.35 - NI: 3.25 ± 2.75 - VA: 0.15 - S < 0.035 - P

If Pinion Shafts are made of special steel state date of approval of chemical analyses, physical properties and heat treatment 22-6-50  
1st Reduction Wheel Shaft, Material and tensile strength for HP TURBINE CARBON STEEL: U.T.S. 49/55 Kg/mm<sup>2</sup> Identification Mark SEE SEPARATE S  
Wheel shaft, Material S.H. STEEL U.T.S. 49/55 Kg/mm<sup>2</sup> Identification Mark SEE SEPARATE SHEET Thrust shaft, Material S.H. STEEL U.T.S. 49/55 Kg/mm<sup>2</sup> Identification Mark SEE SEPARATE SHEET  
Intermediate shafts, Material S.H. STEEL Identification Marks SEE SEPARATE SHEET Tube shaft, Material ✓ Identification Marks ✓  
Screw shaft, Material S.H. STEEL Identification Marks SEE SEPARATE SHEET Steam Pipes, Material NI-CR-MO STEEL Test pressure 22  
Date of test FROM 7-7-52 TO 16-10-52 Is an installation fitted for burning oil fuel YES  
Is the flash point of the oil to be used over 150°F YES Have the requirements of the Rules for the use of oil as fuel been complied with ✓  
Is the vessel (not being an oil tanker) fitted for carrying oil as cargo No If so, have the requirements of the Rules been complied with ✓  
If the notation for ice strengthening is desired, state whether the requirements in this respect have been complied with ✓  
Is this machinery a duplicate of a previous case No If so, state name of vessel ✓

General Remarks. (State quality of workmanship, opinions as to class, &c.) THE MACHINERY OF THIS VESSEL HAS BEEN  
CONSTRUCTED UNDER SPECIAL SURVEY OF TESTED MATERIALS AND IS IN ACCORDANCE  
WITH THE APPROVED PLANS, SECRETARY'S LETTERS AND RULE REQUIREMENTS. THE  
MATERIALS AND WORKMANSHIP ARE GOOD. THE COMPLETE INSTALLATION HAS  
TRIED UNDER WORKING CONDITION AT FULL POWER AND FOUND SATISFACTORY.  
AFTERWARDS THE FABRICATED TURBINE AND GEAR CASES HAVE BEEN SPECIAL  
EXAMINED AND FOUND, SO FAR AS COULD BE SEEN, SOUND AND FREE FROM DEFEC  
THIS VESSEL IS WORTHY TO BE CLASSED IN THE SOCIETY'S REGISTER BOOK WITH  
NOTATION: + L.M.C. 12-52, C.L, FITTED FOR OIL FUEL F.P ABOVE 150°F,  
"STEAM TURBINES: HP D.R. GEARED, IP AND L.P S.R. GEARED TO PROPELLER SHAFTS.

FE FEE DURING CONSTRUCTION AND INSTALLATION  
The amount of Entry Fee £ 1,938.150 When applied for 3/2/ 1953  
Special ... £ ...  
CAR FUND ... £ ...  
Donkey Boiler Fee ... £ 58.145 When received  
Travelling Expenses (if any) £ 243.805  
REV. TAX. £ 62.203  
(Committee's Minute)  
Assigned + LMC 12.52  
TUES. 24 FEB 1953

Shuffell  
Engineer Surveyor to Lloyd's Register of Shipping.

FITTED FOR OIL FUEL 17.52 FLASH POINT ABOVE 150°F. FD CL 4 WTB 668 lb (Spt 633 lb)  
2 DB (WT) 142 lb.



Rpt. 9a.

Port of GENOA

Continuation of Report No. 19132

dated 29/12/52  
S/S ANDREA DORIA.

on the

IDENTIFICATION MARKS

	PORT	STARBOARD.
H.P. TURBINE ROTOR	LLOYD'S 369 A.G. 12-11-51	LLOYD'S 368 A.G. 15-11-51
I.P. TURBINE { ASTERN IMPULSE WHEEL	LLOYD'S 334 A.G. 31-1-52	LLOYD'S 335 A.G. 11-2-52
I.P. TURBINE { FORM. SECTION OF ROTOR	LLOYD'S 335 A.G. 21-1-52	LLOYD'S 335 A.G. 11-3-52
I.P. TURBINE { AFTER SECTION OF ROTOR	LLOYD'S 330 A.G. 31-1-52	LLOYD'S 335 A.G. 11-2-52
L.P. TURBINE { FORM. SECTION OF ROTOR	LLOYD'S 334 A.G. 17-1-52	LLOYD'S 335 A.G. 28-2-52
L.P. TURBINE { AFTER SECTION OF ROTOR	LLOYD'S 336 A.G. 17-1-52	LLOYD'S 334 A.G. 28-2-52
H.P. TURBINE { 1st. REDUCTION PINION.	LLOYD'S 338 A.G. 17-1-52	LLOYD'S 338 A.G. 7-4-52
H.P. TURBINE { 1st. REDUCTION GEAR WHEEL	LLOYD'S 362 A.G. 17-1-52	LLOYD'S 361 A.G. 7-4-52
H.P. TURBINE { 2nd. REDUCTION PINION	LLOYD'S 333 A.G. 17-1-52	LLOYD'S 333 A.G. 7-4-52
I.P. TURBINE. PINION SHAFT.	LLOYD'S 337 A.G. 17-1-52	LLOYD'S 337 A.G. 7-4-52
L.P. TURBINE. PINION SHAFT	LLOYD'S 336 A.G. 17-1-52	LLOYD'S 335 A.G. 7-4-52
MAIN GEAR WHEEL { SHAFT & THRUST SHAFT	LLOYD'S 332 A.G. 31-1-52	LLOYD'S 332 A.G. 31-3-52
MAIN GEAR WHEEL { FORM. RIM.	LLOYD'S 334 A.G. 31-1-52	LLOYD'S 334 A.G. 31-3-52
MAIN GEAR WHEEL { AFTER RIM.	LLOYD'S 333 A.G. 31-1-52	LLOYD'S 334 A.G. 31-3-52
INTERMEDIATE SHAFT.	LLOYD'S 310 A.A. 8-3-51	LLOYD'S 330 A.G. 24-2-51
INTERMEDIATE SHAFT	LLOYD'S 211 A.A. 8-3-51	LLOYD'S 338 A.G. 24-2-51
INTERMEDIATE SHAFT	LLOYD'S 212 A.A. 8-3-51	LLOYD'S 336 A.G. 24-2-51
INTERMEDIATE SHAFT	LLOYD'S 213 A.A. 8-3-51	LLOYD'S 335 A.G. 24-2-51
INTERMEDIATE SHAFT	LLOYD'S 214 A.A. 8-3-51	LLOYD'S 339 A.G. 24-2-51
INTERMEDIATE SHAFT	LLOYD'S 215 A.A. 8-3-51	LLOYD'S 336 A.G. 24-2-51
SCREEN SHAFT	LLOYD'S 22154-2338 H.A.S. 6-4-51	LLOYD'S 22154-2339 H.A.S. 24-5-51
PROPELLER	LLOYD'S 491 G.M. 19-2-52	LLOYD'S 818 G.M. 21-10-52

MAIN W.T. BOILERS : THICKNESS OF ADJUSTING WASHERS OF SAFETY VALVES:

	for saturated steam		for superheated steam.	
PORT. FORM. BOILER :	PORT. 9.5 $\frac{m}{m}$	STARB. 10.5 $\frac{m}{m}$	FORM. 11.2 $\frac{m}{m}$	AFT 11.8 $\frac{m}{m}$
STARB. FORM. BOILER	" 11 $\frac{m}{m}$	" 9.5	" 11.7	" 11.3
PORT AFT. BOILER	" 10.5	" 9.5	" 11.6	" 10.2
STARB. AFT BOILER	" 11	" 9.5	" 12	" 10.6