

## Rpt. 9

Date of writing report 14.3.62

Received London

Port La Spezia(Genoa)

No.

Survey held at La Spezia

No. of visits 5

First date 2/2/62

Last date 4/3/62

## REPORT OF PERIODICAL SURVEYS &amp; REPAIRS OF MACHINERY

No. in R.B. 02162 S.S. Name "ARGEA PRIMA" Gross tons 20771 Date of build 1955  
Owners "ARGEA" Comp.di Navigazione S.p.A. Managers - Port of Registry Palermo  
Engines made 1955 By Ansaldo Mecc. - Genoa Type 2 Steam turbines DR geared to sc. shaft  
No. of Main Engines 2 No. of Screws 1  
No. of Main Boilers 3 W.P. 668 lb.Spt.  
No. of Aux./Donkey Boilers - sg 647 lb.  
W.P. 135 lb.  
Surveyed Afloat or in Dry Dock Both  
Nature of Survey DS-SGS-part MBS &  
Recommissioning after laid up period  
Was Damage Report issued? No Int. Cert.? Yes  
Last Report (For Head Office only)

Records of Survey &amp; Special Notations as per Register Book

Hull		Machinery	
+100 A1	Oil Tanker	+LMC	ES 2/60
	SS 2/60		MBS 4/59
	AS 2/60		sgS 2/60
	DS 4/59		TS CL 2/60
			SPS 2/60

The condition of any of the following items is to be described as "good" only when the part has been examined, found or placed in good condition, and is considered to be acceptable until the due date of the next Periodical Examination. Where it is considered that re-examination or repairs should be effected before the due date of the next Periodical Examination a distinguishing mark thus † should be inserted against the item and the circumstances and action recommended described fully under "defects and repairs". At part or complete Special Surveys those items which are not applicable to the ship should be cancelled with a black line; this need not be done when the machinery is on a continuous survey basis. When any part has been subjected to pressure test this should be stated. Engine parts when referred to by numbers should be counted from forward.

DOCKING Propellers good Wear Down of Stern Bushes 3 mms Oil Glands - Sea Connections -  
Fastenings good Has Screwshaft Tubeshaft been drawn? no Date of Examination - Has Shaft been changed? -  
Has Shaft now fitted been previously used? - Has Shaft now examined/fitted a continuous liner? - Approved oil gland? -

MAIN ENGINES (Recip. Steam or I.C.)

PORT

STARBOARD

- 1 Cyls., Covers, Pistons & Rods  
2 Valves & Gears  
3 Connecting Rods, Top Ends & Guides { Side  
Centre  
4 Crankpins & Bearings { Side  
Centre  
5 Journals & Bearings

## MAIN ENGINE DRIVEN AIR COMPRESSORS

- 6 Cyls., Covers, Pistons & Rods  
7 Connecting Rods & Top Ends  
8 Crankpins & Bearings  
9 Journals & Bearings  
10 Coolers & Safety Devices

## MAIN ENGINE DRIVEN SCAVENGE PUMPS

- 11 Cyls., Covers, Pistons & Rods  
12 Connecting Rods & Top Ends  
13 Crankpins & Bearings  
14 Journals & Bearings  
15 Levers

- 16 SCAVENGE BLOWERS  
17 SUPERCHARGERS

## MAIN TURBINES

- 18 Casings, Rotors, Blading, Bearings & Thrusts

- 19 EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)

- 20 STEAM COMPRESSORS

- 21 CLUTCHES & HYDRAULIC COUPLINGS

- 22 REDUCTION GEARING through inspection doors = good

- 23 THRUST BLOCKS, SHAFTS & BEARINGS

- 24 INTERMEDIATE SHAFTS & BEARINGS

- 25 HOLDING DOWN BOLTS & CHOCKS

- 26 CONDENSERS (MAIN & AUX.) Main & 2 aux. turbines + good (also tested)

- 27 STEAM RE-HEATERS

- 28 DE-SUPERHEATERS

- 29 STOP & MANOEUVRING VALVES

- 30 MAIN ENGINE DRIVEN PUMPS

- 31 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES

Have Main Engines been tested working and manoeuvring?

OPINION OF MACHINERY AND RECOMMENDATIONS The Machinery of this vessel, so far as now seen, is in good condition and eligible to remain as classed with fresh record of MBS 2/62 (c. & s.) and SGS 2/62, subject to part main boiler (temporarily out of use at the request of the Owners) not to be used until surveyed.

Date of Committee

Decision

50m, 4.59 T. (MADE AND PRINTED IN ENGLAND)

WEDNESDAY 11 APR 1962

As now, subject  
MBS (c. & s.) 2.62

SGS 2.62

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Foundation  
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- 32 Essential Independent Pumps (Identify by position) S.S. inboard main condensate - S.S. main circulating - for'd aux. circulating - for'd aux. condensate = good
- 33 Bilge, Ballast & Oil Fuel Suction Lines, Fittings & Controls
- 34 Have the remaining Piping Arrangements & Fittings in the machinery space been examined as considered necessary?
- 35 Fresh Water Coolers 36 Lub. Oil Coolers 37 Heaters (state service) Feed W.deareator = good
- 38 Independent Air Compressors, Coolers & Safety Devices
- 39 Air Receivers & Safety devices - Main 40 Auxiliary Ship's services & aux.eng.starting= good (tested)
- 41 Oil Fuel Tanks (Not forming part of hull structure)
- 42 Evaporators 43 Have Evaporator Safety Valves been tested under steam?
- 44 Steering Machinery 45 Windlass 46 Fire Extinguishing Arrangements

AUXILIARY ENGINES (Identify by position)

PROPULSION	PORT	STARBOARD	ELECTRICAL EQUIPMENT	AUXILIARY EQUIPMENT
a Generators				l Generators & Governors both 550 Kws. = good
b Exciters				m Motors
c Air Coolers				n Switchboards & Fittings
d Motors				o Circuit Breakers
e Air Coolers				p Cables
f Control Gear, Cables, etc.				q Insulation Resistance = good
g Insulation Resistance				r Steering Gear Generators and Motors
h Insulating Oil Test				s Navigation Light Indicators
i Overspeed Governors				
Magnetic Couplings				
k Air Gap				

BOILERS OPENED UP & EXAMINED (Identify by position and state latest date of internal examination of each boiler)

MAIN centre - 10.2.62 = good  
starboard = 12.2.62 = good

Superheaters C. & S.S. boilers = good

Safety Valves C. & S.S. boilers = good

Mountings, Doors & Fastenings C. & S.S. boilers = good

Safety Valves Adjusted to { Sat. C. & S.S. boilers = 660 lbs/sq.in.  
Spt. C. & S.S. boilers = 645 lbs/sq.in.

Boiler Securing Arrangements C. & S.S. boilers = good

Main Economisers C. & S.S. boilers = good Exhaust Gas Heated Economisers

Steam Heated Steam Generators 12.2.62 = good Steam Generator Safety Valves Adjusted to produced steam = 130 lbs/sq.in.

Were Oil Burning System & Remote Controls examined working in accordance with Rules? Yes = good Forced Circulating Pumps

Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules? - Funnel Efficient

EXAMINATION & TESTING OF STEAM PIPES (State material)

Main Auxiliary (over 3 in. bore)

Were Copper Pipes annealed? Have Saturated Pipes in cylindrical boiler smoke boxes been tested?

PARTICULARS OF DEFECTS & REPAIRS, ETC. (Damage repairs should be detailed separate from wear and tear repairs; state what action has been taken regarding items which are subjects of class)

W. & T. REPAIRS:-Both 550 Kws. generators found with grooved commutators, now satisfactorily re-machined.  
Generators megger tested on completion with satisfactory results.  
- Brickworks of centre and starboard boilers now satisfactorily repaired.  
- A section of steam line to blowers of S.S. boiler, wasted, now satisfactorily made new of tested material.  
- Other minor repairs carried out.

RECOMMISSIONING AFTER LAID UP PERIOD: At the request of the Owners' Representative, the parts mentioned in the body of the report have been opened up and examined and found or placed in good order. The full machinery plant was tested under working condition with satisfactory results.

NOTE - The Owners' Representative informed that two main boilers are sufficient for ship's intended voyages and that it is their intention to maintain the port main boiler as at present full up with treated water to avoid corrosions. Therefore, the port boiler was not examined at this time and it is recommended that said boiler be not used until surveyed. It is also recommended to assign now the MBS 2/62 (C. & S.).

Survey fees D. S. Ltd 8,000 less 15% = Ltd 6,800  
M.B.S. 75,000 u = 4 63,750  
S.G.S. 17,500 u = 4 14,875  
W.F.T. 32,000 u = 4 27,200

Damage fee ...

Expenses ... (see Rpt 8)

Date when A/c rendered 20/3/62

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Docking and some machinery examined following try out  
S.S. + M.B.S. due 2.6.2 and 4.6.2 respectively  
both now held but survey reports that port boiler not surveyed at Owner request and not to be used.

It is submitted that this vessel is eligible to remain as CLASSED with records

S.G.S. 2.6.2 now.

M.B.S. (C.S.) 2.6.2 now.

Subject to the port main boiler not being used until surveyed (out of use at Owner request).

2.4.62