

Rpt. 9

Date of writing report 9/1/59

Received London 20 JAN 1959

Port PALERMO

Survey held at PALERMO

No. of visits 20

First date 21/4/58

No. 185

Last date 2/12/58

# REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 50667 Name M.V. ALBA

Owners "COSARMA" - Cia. Sicula di Armamento Managers - Gross tons 10363 Date of build 8/35

Engines made 1935 By Fr. Krupp Germ. A.G., Kel Port of Registry PALERMO

No. of Main Engines 1 No. of Screws 1 Type Oil Eng. 2SA 8Cyl.

No. of Main Boilers - W.P. -

No. of Donkey Boilers 3 W.P. 200 Lbs/Sq"

Surveyed Afloat or in Dry Dock Afloat

Nature of Survey DS., DBS., CS., Mach. Rprs.

Was Damage Report issued? No Int. Cert.? Yes

Last Report (For Head Office only)

Records of Survey & Special Notations as per Register Book

Hull		Machinery	
+100 A1		+LMC	7/56
SS. Gen. (Dr)	6/56	DBS.	7/57
DS.	9/57	TS. CL.	3/56 N
		SPS.	7/56
Carrying petroleum in bulk.			

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 m/m Oil Glands - Sea Connections Good

Fastenings - 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

1) 1 Cyls., Covers, Pistons & Rods Nos. 4 & 5 = Good

2) 2 Valves & Gears Nos. 4 & 5 = Good

3) Connecting Rods, Top Ends & Guides Side Centre

4) 4 Crankpins & Bearings Side Centre All = Good

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 All = Good

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

23) 23 THRUST BLOCKS, SHAFTS & BEARINGS GOOD

24) 24 INTERMEDIATE SHAFTS & BEARINGS GOOD

25) 25 HOLDING DOWN BOLTS & CHOCKS GOOD

26) CONDENSERS (MAIN & AUX.)

27) STEAM RE-HEATERS

28) DE-SUPERHEATERS

29) STOP & MANOEUVRING VALVES

30) 30 MAIN ENGINE DRIVEN PUMPS Bilge, salt water cooling, forced lubrication, = Good

31) CRANKCASE DOORS & EXPLOSION RELIEF DEVICES

OPINION OF MACHINERY AND RECOMMENDATIONS Have Main Engines been tested working and manoeuvring? Yes

The machinery of this vessel is eligible, in my opinion, to remain as now classed with fresh record of DBS. 12/58., and to receive the notation CS. (with date), when the survey is complete, and without condition regarding the (p.) inbd. steam dynamo crankshaft.

Date of Committee TUESDAY - 3 FEB 1959

Decision As shown without speech

DBS 12.58

Noted for Header

(E. Grieved)

E. Grieved

Engineer Surveyor to Lloyd's Register of Shipping

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002764-002761-0078

If certificate is required state where to be sent.

- 32) 32 Essential Independent Pumps (Identify by position) Bilge (ER.ss.), Butterworth or Ballast (ER.ss.), Fuel oil transfer (ER.ss.) cylinder cooling, piston cooling (ER), piston cooling (ER.f.), forced lubrication (ER), feed, both, (ER&BR)
- 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) 36 Lub. Oil Coolers GOOD 37 Heaters (state service)
- 38 Independent Air Compressors, Coolers & Safety Devices.
- 39) 39 Air Receivers & Safety devices—Main Both Good 40 Auxiliary
- 41 Oil Fuel Tanks (Not forming part of hull structure)
- 42 Evaporators 43 Have Evaporator Safety Valves been tested under steam?
- 44) 44 Steering Machinery Good 45 Windlass 46) 46 Fire Extinguishing Arrangements Good

AUXILIARY ENGINES (Identify by position)

PROPULSION	ELECTRICAL EQUIPMENT		AUXILIARY EQUIPMENT
	PORT	STARBOARD	
a Generators			l Generators & Governors
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
g Insulation Resistance			r Steering Gear Generators and Motors
h Insulating Oil Test			s Navigation Light Indicators
i Overspeed Governors			
j Magnetic Couplings			
k Air Gap			

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

MAIN	WUKIMARV, DONKEY EXPRESS	Port & star'd
Superheaters		13/11/58
Safety Valves		Good
Mountings, Doors & Fastenings		Good
Safety Valves Adjusted to { Sat. Spt.		200 Lbs/Sq"
Boiler Securing Arrangements		Good
Main Economisers	Exhaust Gas Heated Economisers	13/11/58
Steam Heated Steam Generators	Steam Generator Safety Valves Adjusted to	
Were Oil Burning System & Remote Controls examined working in accordance with Rules?	Yes	Forced Circulating Pumps Good
Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules?		Funnel Good

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)

Owners' Repairs:-

Main Crankshaft:- Both forward and after crankshaft sections renewed. Existing crankshaft was found fractured in way of the webs of Nos. 3 & 5 throws. Magnaflux examination revealed numerous other small fractures in webs and couplings. A sketch of the new shafts together with a diagram showing test marks is enclosed herewith. The double bottom structure has been stiffened with steel plate intercostals and transverses in line with the bedplate girders, as indicated on the attached plan. The bedplate was carefully examined together with holding down bolts and chocks and found satisfactory. All main bearing shells remetalled and the new shaft carefully bedded and checked for alignment. On completion a sea trial of 6 hours duration at full speed, was held, and all found satisfactory.

Port inboard steam dynamo engine:- New crankshaft now fitted, LLOYD'S KLN 1709 HD. 29/11/57

Port & star'd donkey boilers:- Rivets at lower parts of all combustion chamber wrapper plates found pitted or wasted. All wasted rivets renewed; a total of approx' 200.- Other minor repairs effected.

S.R.L.:- "Inboard steam dynamo crankshaft to be renewed." This item has been dealt with and may be removed from the list.

LEAVE THIS SPACE BLANK

Survey fees BS-12,000 - Ru 15% = Est. 10,200 =  
 " " p. BS 110,000 " " = " 93,500 =  
 " " ) BS. 52,500 " " = " 48,875 =  
 Damage fee Rp. 80,000 " " = " 68,000 =  
 Expenses... (See Rpt. 8)  
 Date fee Est. 5,000 =

Date when A/c rendered 14/1/59 =

