

Rpt. 9

Date of writing report. 9/1/59

Survey held at. P A L E R M O

Received London 20 JAN 1959

No. of visits. 20

Port. P A L E R M O

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. W. A L B A

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. P A L E R M O

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.)

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

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

3) Connecting Rods, Side
Top Ends & Guides Centre

4) 4 Crankpins & Side
Bearings 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) THRUST BLOCKS, SHAFTS & BEARINGS GOOD

24) INTERMEDIATE SHAFTS & BEARINGS GOOD

25) HOLDING DOWN BOLTS & CHOCKS GOOD

26) CONDENSERS (MAIN & AUX.)

27) STEAM RE-HEATERS

28) DE-SUPERHEATERS

29) STOP & MANOEUVRING VALVES

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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Lloyd's Register
Foundation

002764-002761-0078

If certificate is required state where to be sent

Now
If so, is the Report sent now, or when will it be sent?
Yes
No
This is a Survey also used on Ship

- 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	PORT	STARBOARD	ELECTRICAL EQUIPMENT	AUXILIARY EQUIPMENT
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	AUXILIARY, DONKEY & EXPRESS	Port & star'd 13/11/58
Superheaters.....		
Safety Valves.....		Good
Mountings, Doors & Fastenings.....		Good
Safety Valves Adjusted to { Sat..... Spt.....		200 Lbs/Sq" Good
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.

Survey fees 55-12.000 - Ru 15/- = 84.200 =
" " 55-110.000 " " = " 93.500 =
" " 55-52.500 " " = " 48.875 =

Damage fee 24.80.000 " " = " 68.000 =

Expenses (See Rpt. 8)
Late fee 84.200 = 5.000 =

Date when A/c rendered 12/1/59 =

