

Rpt. 9

25 AUG 1958

Date of writing report 12th August 1958

Received London

Port Naples

No. 6666

Survey held at Naples

No. of visits 9

First date 15.7.58

Last date 27.8.58

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 20884 S.S. s/t "MIRIELLA" Gross tons 8128 Date of build 1942 9
 Owners COSARMA Cia Sicula di Armamento Managers - Port of Registry Palermo
 Engines made Newcastle Swan, Hunter & Wgham Rdhdsn Type T 3cy

No. of Main Engines - No. of Screws -
 No. of Main Boilers 3SB W.P. 220 lb Spt
 No. of Aux./Donkey Boilers - W.P. -
 Surveyed Afloat or in Dry Dock both
 Nature of Survey DS MBS SRL
 Was Damage Report issued? Int. Cert.?
 Last Report (For Head Office only)

Records of Survey & Special Notations as per Register Book

Hull	Machinery
+ 100 A1 SS 2.52	+ LMC
(Dr) 10/56	ES 10/56
carrying petroleum in bulk	BS M 10/56
DS 8/57	CL 8/57
	SPS 10/56

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 mm 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 HP. 1P. & LP. good
 2 Valves & Gears HP. 1P. & LP. good
 3 Connecting Rods, Top Ends & Guides Side
 Centre
 4 Crankpins & Bearings Side
 Centre
 5 Journals & Bearings Nos 5 & 6 good

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

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
 23 THRUST BLOCKS, SHAFTS & BEARINGS
 24 INTERMEDIATE SHAFTS & BEARINGS
 25 HOLDING DOWN BOLTS & CHOCKS
 26 CONDENSERS (MAIN & AUX.)
 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 ship so far as now surveyed is eligible in our opinion to remain as now classed with fresh record of MBS 8.58 on completion of the survey without special conditions of class

Date of Committee THURSDAY 18 SEP 1958
 Decision as now without spl. edn

[Signature]
 (H. T. Butler & C. Starc)
 Engineer Surveyor to Lloyd's Register of Shipping



Lloyd's Register Foundation

005187-005193-0107 1/2

Noted for Header

If certificate is required state where to be sent.

32 Essential Independent Pumps (Identify by position)..... Port inboard & outboard feed pumps- Stbd aux. feed pump.

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 water

38 Independent Air Compressors, Coolers & Safety Devices.....

39 Air Receivers & Safety devices—Main..... 40 Auxiliary.....

41 Oil Fuel Tanks (Not forming part of hull structure).....

42 Evaporators..... 43 Have Evaporator Safety Valves been tested under steam?..... good

44 Steering Machinery..... 45 Windlass..... 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 P. 22.7.58 S. 25.7.58 c. fwd. 20.7.58 AUXILIARY, DONKEY or PRESS.....

Superheaters P. S. & c. fwd. good

Safety Valves P. S. & c. fwd. good

Mountings, Doors & Fastenings P. S. & c. fwd. good

Safety Valves Adjusted to Sat. C. fwd. 220 lb sq. in.

Spt. C. fwd. 225 lb sq. in.

Boiler Securing Arrangements..... good

Main Economisers..... Exhaust Gas Heated Economisers.....

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.....

Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules? yes 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)

To complete the MBS the P & S boilers to be examined under steam and the safety valves to be adjusted.

Repairs W & T:- Port, Starboard & centre fwd. main cylindrical boilers all plain and stay tubes renewed. After completion boilers Hyd. tested to 220 lb.

Port outboard feed pump, water end liner and piston renewed.

Port inboard feed pump, steam end cylinder bored and piston renewed.

Port boiler main and aux. feed check valves removed and fitted with screwed seats and new valves.

Condition of Class:- LP valve and saddle renewed. I P valve saddle; no spare saddle available. The rubbing strips removed from valve and valve sides lightly machined. The valve saddle sides machined back and cast iron fitting strips with integral stoppers screwed in place, valve rod skimmed and new guide bushes fitted. In our opinion this repair is efficient and it is submitted that it be considered permanent. (cont'd)

LEAVE THIS SPACE BLANK

Survey fees Dock. 3.400

MBS 63.900

Rps 43.000

Sunday & Late fees 12.000

Rev Tax 4.662

Damage fee.....

Expenses.....

Date when A/c rendered.....

S/T "MIRIELLA"

Condition of Class (Cont'd)

S. boiler main & aux. feed check valve castings; the two valve castings removed and carefully calibrated for wall thickness. As no spare castings available and the thickness of the bodies found to be adequate it was decided to effect repairs. (See sketch). The valve bodies were lightly skimmed in way of valve guide and gas threaded and new seat screwed in. New valves and spindles fitted.

In our opinion this repair is efficient and it is submitted that it be considered permanent.

E. F. Butler *C. Starc*
(E. F. Butler & C. Starc)
Surveyors to Lloyd's Register of Shipping

