

14 JAN 1960

Rpt. 9

Date of writing report 24.12.59. Received London Port GIBRALTAR No. 4315
Survey held at GIBRALTAR No. of visits Five First date 26.11.59. Last date 10.12.59.

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 23887 Name M.V. "NORRISIA" Gross tons 8246 Date of build 3-1944
Owners Shell Company of Gibraltar Ltd. Managers Port of Registry London
Engines made Belfast By Harland and Wolff Ltd. Glasgow. Type B&W 45A 6 cyl. Oil engine.

Table with columns for Hull and Machinery. Hull: 100A1 (Dr) 6/57. Machinery: LMC, C.S. 6/57, T.S. C.L. 3/56.

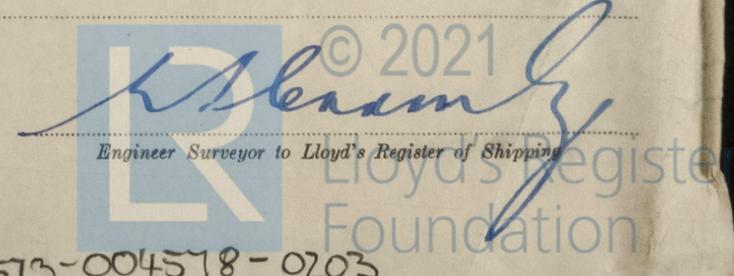
The condition of any of the following items is to be described as "good" only when the part has been examined, found or placed in good condition, and is considered to be acceptable until the due date of the next Periodical Examination.

- DOCKING Propellers Good Wear Down of Stern Bushes Oil Glands Sea Connections Good
Fastenings Good Has Screwshaft Tubeshaft been drawn? NO Date of Examination Has Shaft been changed?
MAIN ENGINES (Recip. Steam or I.C.) PORT STARBOARD
1 Cyls., Covers, Pistons & Rods
2 Valves & Gears
3 Connecting Rods, Top Ends & Guides
4 Crankpins & Bearings
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
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? NO

OPINION OF MACHINERY AND RECOMMENDATIONS

This report is submitted for the information of the Committee.

Date of Committee TUESDAY - 1 MAR 1960
Decision Deferred for TS



004573-004578-0203

Has a Survey also been held on Ship? If so, is the Report sent now, or when will it be sent?

If certificate is required state where to be sent

- 32 Essential Independent Pumps (Identify by position) .....
- 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) .....
- 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? .....
- 44 Steering Machinery .....
- 45 Windlass .....
- 46 Fire Extinguishing Arrangements .....

AUXILIARY ENGINES (Identify by position) .....

Not opened up for examination

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 .....

Superheaters .....

Safety Valves .....

Mountings, Doors & Fastenings .....

Safety Valves Adjusted to { Sat. ....  
Spt. ....

Boiler Securing Arrangements .....

Main Economisers .....

Steam Heated Steam Generators .....

Were Oil Burning System & Remote Controls examined working in accordance with Rules? .....

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

AUXILIARY, DONKEY or PRESS Boilers .....

Not opened up for survey. It is known that the Starboard boiler requires extensive renewals of Plain tubes. Port boiler was in steam until 10.11.59.

Exhaust Gas Heated Economisers .....

Steam Generator Safety Valves Adjusted to .....

Forced Circulating Pumps .....

Funnel .....

EXAMINATION & TESTING OF STEAM PIPES (State material)

Main .....

Were Copper Pipes annealed? .....

Auxiliary (over 3 in. bore) .....

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)

The mainengines have not been in use since the vessel arrived in Gibraltar Bay and was put into service as a bunkering Hulk, in 1958. The port and starboard auxiliary scotch boilers have been in service since then up till 10th November, 1959, when the vessel was taken off the bunkering service. Last date of annual boiler inspection was November, 1959.

The Auxiliary machinery such as boiler feed pumps, electrical generators, general service and ballast pumps, have been in service continually during the above mentioned bunkering period, but these units have not been maintained to classification requirements. Survey held on board whilst vessel was afloat and in Drydock.

Docked 24.11.59. Undocked 4.12.59.

The following items were examined.

Propeller and fastenings - In good condition

Screw shaft - Not drawn for examination. Wear down  $\frac{1}{8}$ ". Stern gland in good condition.

Sea valves and fastenings - In good condition.

*Rocking & CS. advanced  
Submitted action re deferred  
pending further survey at a UK port*

LEAVE THIS SPACE BLANK

Survey fees ... £20 - 0 - 0

Damage fee ...

Expenses... ... £5 - 0 - 0

Date when A/c rendered .....