

29 DEC 1956

Rpt. 9

Date of writing report 13.12.56 Received London SOUTHAMPTON No. 23975  
Survey held at SOUTHAMPTON No. of visits 5 First date 5.12.56 Last date 12.12.56

# REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 55337 Name M.V. 'CAPETOWN CASTLE' Gross tons 27002 Date of build 4-1938  
Owners UNION - CASTLE MAIL S.S. CO LTD Managers Port of Registry LONDON  
Engines made 1938 By HARLAND & WOLFE LTD Type 2DA B2W 10C1

No. of Main Engines 2 No. of Screws 2		Records of Survey & Special Notations as per Register Book	
No. of Main Boilers - W.P. -		Hull	Machinery
No. of Aux./Donkey Boilers 4	W.P. 10015	+100A1	6.56 + LMC. CS.
Surveyed Afloat or in Dry Dock BOTH		with freeboard	DBS
Nature of Survey PCKING, TS, CS		S.S. (P) Sew	TS. CL P&S
Was Damage Report issued? <input checked="" type="checkbox"/> Int. Cert.? YES		AS (P)	12.54
Last Report (For Head Office only)			

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 P=.053" S=.060" Oil Glands DISCHARGES GOOD  
Fastenings GOOD Has Screwshaft/Tubeshaft been drawn? YES Date of Examination 5.12.56 Sea Connections  
Has Shaft now fitted been previously used?  Has Shaft now examined/fitted a continuous liner? YES Approved oil gland?

MAIN ENGINES (Recip. Steam or I.C.)	PORT	STARBOARD
1 Cyls., Covers, Pistons & Rods	Nº4 - GOOD	Nº6 - GOOD
2 Valves & Gears	Nº4 - GOOD	Nº6 - GOOD
3 Connecting Rods, Top Ends & Guides	Nº4 - GOOD	Nº6 - GOOD
4 Crankpins & Bearings	Nº4 - 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

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 AFT - GOOD AFT - GOOD  
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 vessel so far as now seen is in safe working order & eligible in my opinion to remain as classed with fresh record of +LMC.CS (with date) when the survey has been completed & TS.CL P&S 12.56 now, subject to starboard main engine crankpins & journals of Nºs 1 & 2 units being again re-examined before the end of February 1957  
Date of Committee THURSDAY 7 FEB 1957  
Decision Bon 5 12.56 +LMC.CS subject.



Engineer Surveyor to Lloyd's Register of Shipping



Lloyd's Register Foundation

015348-015354-0018 1/2

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).....

PROPULSION	PORT	ELECTRICAL EQUIPMENT STARBOARD	AUXILIARY EQUIPMENT
a Generators.....			1 Generators & Governors.....
b Exciters.....			2 Motors.....
c Air Coolers.....			3 Switchboards & Fittings.....
d Motors.....			4 Circuit Breakers.....
e Air Coolers.....			5 Cables.....
f Control Gear, Cables, etc.....			6 Insulation Resistance.....
g Insulation Resistance.....			7 Steering Gear Generators and Motors.....
h Insulating Oil Test.....			8 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 or PRESS.....

Superheaters.....  
 Safety Valves.....  
 Mountings, Doors & Fastenings.....  
 Safety Valves Adjusted to Sat.....  
 Spt.....  
 Boiler Securing Arrangements.....  
 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?..... Forced Circulating Pumps.....  
 Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules?..... Funnel.....

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)

**COMPRESSOR INTERCOOLERS EXAMINED AND L.P.**

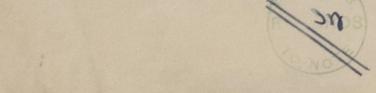
**RE-TUBED.**  
**SRL** Starboard main engine No 122 crankpin and journals re-examined at this time and found to remain efficient. No movement noted. It is recommended that this item be re-examined before the end of February 1957.

**N:1 Diesel generator** examined running all in good order it is recommended that this item be re-moved from SRL list.

**REPAIRS** Two propellers replaced due to wastage at tips. New propellers marked:- Reg. No 476  
 P 941 & 2 spars  
 Z. 73

SEE FOLLOWER N:1

Survey fees.....  
 Damage fee.....  
 Expenses.....  
 Date when A/c rendered.....



**FOLLOWER N:1**

**M.V. 'CAPETOWN CASTLE'**

Reg No 4754  
 S. 941 & 2  
 Y 857

These propellers are spares for the 'Athene Castle'

No 4 port & No 6 starboard lines replaced due to fracture, piston rods replaced due to fracture in way threads of crosshead nuts also crosshead bearing replaced by ship's spares.

X. L. L. L.

