

Rpt. 9

Date of writing report 22.1.62.  
Survey held at London

Received London  
No. of visits 2

Port London  
First date 18.1.62. Last date 22.1.62. No. 14 64 8 4

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 09157 Name M.V. "DURBAN CASTLE"  
Owners Union Castle Mail S.S.Co.Ltd. Managers  
Engines made 1938 By Harland & Wolff Ltd, Belfast Type 2 B & W Oil engines 2DA each 8  
No. of Main Engines 2 No. of Screws 2 Records of Survey & Special Notations as per Register Book  
No. of Main Boilers - W.P. -  
No. of Aux. Boilers 3 W.P. 100lbs  
Surveyed Afloat or in Dry Dock Afloat  
Nature of Survey Advancement of ABS  
Was Damage Report issued? No Int. Cert.? Yes  
Report (For Head Office only)

Hull		Machinery	
+100A1 with fbd	10.61.	+LMC CS	1.60.
SS	9.60.	ABS	9.60.
		SPS	3.56.
		TSCL P	8.59.
		S	1.58.

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 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.

- LOCKING Propellers Wear Down of Stern Bushes Oil Glands Sea Connections  
Fastenings Has Screwshaft/Tubeshaft been drawn? 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. ~~Recip~~ or I.C.) PORT STARBOARD  
Cyls., Covers, Pistons & Rods  
Valves & Gears  
Connecting Rods, { Side  
Top Ends & Guides { Centre  
Crankpins & { Side  
Bearings { Centre  
Journals & Bearings  
MAIN ENGINE DRIVEN AIR COMPRESSORS  
Cyls., Covers, Pistons & Rods  
Connecting Rods & Top Ends  
Crankpins & Bearings  
Journals & Bearings  
Coolers & Safety Devices  
MAIN ENGINE DRIVEN SCAVENGE PUMPS  
Cyls., Covers, Pistons & Rods  
Connecting Rods & Top Ends  
Crankpins & Bearings  
Journals & Bearings  
Levers  
SCAVENGE BLOWERS  
SUPERCHARGERS  
MAIN TURBINES  
Casings, Rotors, Blading, Bearings & Thrusts  
EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)  
STEAM COMPRESSORS  
CLUTCHES & HYDRAULIC COUPLINGS  
REDUCTION GEARING  
THRUST BLOCKS, SHAFTS & BEARINGS  
INTERMEDIATE SHAFTS & BEARINGS  
HOLDING DOWN BOLTS & CHOCKS  
CONDENSERS (MAIN & AUX.)  
STEAM RE-HEATERS  
DE-SUPERHEATERS  
STOP & MANŒUVRING VALVES  
MAIN ENGINE DRIVEN PUMPS  
CRANKCASE DOORS & EXPLOSION RELIEF DEVICES

Have Main Engines been tested working and manœuvring? No

OPINION OF MACHINERY AND RECOMMENDATIONS The machinery of this vessel as now seen is in good working order and eligible in my opinion to remain as classed with fresh record of ABS 8.61. (as previously recommended) when the Oil Fired Auxiliary Boiler has been examined throughout together with the safety valves and mountings and the safety valves adjusted under steam, subject to any outstanding conditions of class being dealt with as previously recommended.

Date of Committee  
Decision

FRIDAY 23 FEB 1962  
Deferred for comp. ABS.



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)

Table with 4 columns: PROPULSION, PORT, ELECTRICAL EQUIPMENT STARBOARD, and AUXILIARY EQUIPMENT. Rows include Generators, Exciters, Air Coolers, Motors, Control Gear, Cables, etc., Insulation Resistance, Insulating Oil Test, Overspeed Governors, Magnetic Couplings, Air Gap, and various auxiliary equipment like Generators & Governors, Motors, Switchboards & Fittings, Circuit Breakers, Cables, etc.

BOILERS OPENED UP & EXAMINED (Identify by position and state latest date of internal examination of each boiler)
MAIN
AUXILIARY, DONKEY & PRESS
Superheaters
Safety Valves
Mountings, Doors & Fastenings
Safety Valves Adjusted to { Sat. Spt.
Boiler Securing Arrangements
Main Economisers
Steam Heated Steam Generators
Steam Generator Safety Valves Adjusted to
Were Oil Burning System & Remote Controls examined working in accordance with Rules? No
Forced Circulating Pumps
Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules? Funnel Efficient,

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)
Wear and tear repairs effected.

ABS For commencement of this survey refer to London Report No. 145562
To complete the survey the Oil Fired Auxiliary Boiler remains to be examined throughout together with safety valves and mountings and the safety valves adjusted under steam.
The Owners representative states that the survey will be completed during the forthcoming deep sea voyage.

TSCl For postponement of Starboard Screwshaft Survey refer to Head Office correspondence with Owners, Dated November, 1961.

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Survey fees ABS £7.00.0
Damage fee
Expenses... 8.0.0

Date when A/c rendered 25 JAN 1962