

Rpt. 9

Date of writing report 22.1.62. Received London Port London No. 146484
Survey held at London No. of visits 2 First date 18.1.62. Last date 22.1.62.

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 09157 Name M.V. "DURBAN CASTLE" Gross tons 17382 Date of build 12-1938
Owners Union Castle Mail S.S.Co.Ltd. Managers Port of Registry London
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
cyl. 620x1400mm

No. of Main Boilers - W.P. -
No. of Aux./Donkey 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)

Table with 2 columns: Hull and Machinery. Hull items include +100A1 with fbd (10.61), SS (9.60). Machinery items include +LMC CS (1.60), ABS (9.60), SPS (3.56), TSCL P (8.59), S (1.58).

9556

DBR

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, Top Ends & Guides { Side, Centre
Crankpins & Bearings { Side, 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 & MANOEUVRING VALVES
MAIN ENGINE DRIVEN PUMPS
CRANKCASE DOORS & EXPLOSION RELIEF DEVICES

Have Main Engines been tested working and manoeuvring? 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 Defered for comp. Abs.

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- 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	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	AUXILIARY, DONKEY & PRESS
Superheaters	Starboard Waste Heat 18.1.62. Good
Safety Valves	Starboard Waste Heat Good
Mountings, Doors & Fastenings	Starboard Waste Heat Good
Safety Valves Adjusted to { Sat.	Starboard Waste Heat 100lbs
{ Spt.	
Boiler Securing Arrangements	Starboard Waste Heat 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? 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.

Date when A/c rendered 25 JAN 1962



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