

NOV. 1961

Rpt. 9

Date of writing report 28th Nov. 1961.

Received London

Port CARDIFF

No. 61587

Survey held at CARDIFF

No. of visits 2

First date 20.11.61. Last date 27.11.61

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 15338 Name S.S. "INDIUM" Gross tons 207 Date of build 8.1.1924

Owners Wm. France Fenwick & Co. Ltd. Managers Port of Registry Liverpool

Engines made 1924 By MacColl & Pollock Ltd., Sunderland Type C 2 Cy.

No. of Main Engines 1 No. of Screws 1

No. of Main Boilers SB W.P. 130 lb.

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

Surveyed Afloat or in Dry Dock Afloat

Nature of Survey Gen. Examination.

Was Damage Report issued? No Int. Cert.? Yes.

Last Report (For Head Office only)

Hull	Machinery
100 A1	LMC
sand carrier Bristol	ES 11-56
Channel service, limiting	M 2-61
port seawards Milford Haven	OG 2-61 SPS 12-58
DS 2-61	SB made 30 refitted 12-58
DR 6-48 SS 11-56	Mchy. aft.

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 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. Steam or I.C.) PORT STARBOARD
1 Cyls., Covers, Pistons & Rods
2 Valves & Gears
3 Connecting Rods, Top Ends & Guides Side Centre
4 Crankpins & Bearings Side Centre
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
SUPERCHARGERS
MAIN TURBINES
Casings, Rotors, Blading, Bearings & Thrusts

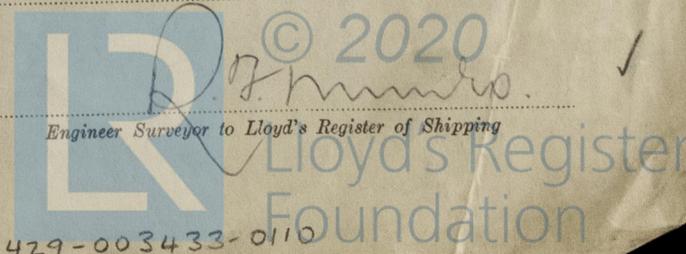
EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)
STEAM COMPRESSORS
CLUTCHES & HYDRAULIC COUPLINGS
REDUCTION GEARING
THRUST BLOCKS, SHAFTS & BEARINGS
INTERMEDIATE SHAFTS & BEARINGS
HOLDING DOWN BOLTS & CHOCKS
CONDENSERS (MAIN & AUX.)
STEAM RE-HEATERS
SUPERHEATERS
PROP & MANOEUVRING VALVES

MAIN ENGINE DRIVEN PUMPS
CASE DOORS & EXPLOSION RELIEF DEVICES Have Main Engines been tested working and manoeuvring? Yes
UNION OF MACHINERY AND RECOMMENDATIONS Eligible to remain as classed without fresh record
survey.

WEDNESDAY 3 JAN 1962

THURSDAY 28 DEC 1961

WEDNESDAY - 3 JAN 1962



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)

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PROPULSION		ELECTRICAL EQUIPMENT	
PORT	STARBOARD	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 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)

Machinery Examination - for Postponement of Special Survey.

The main and auxiliary machinery was generally examined at rest and under working conditions, and the pumping arrangement was tested. Electrical installation examined under working conditions after minor repairs to governor gear and found in order. Installation megger tested with satisfactory results. Some minor repairs and adjustments were effected.

It is considered that the machinery is in an efficient condition, and that the Owners' request to postpone the Special Survey of the Machinery until the 28th February, 1962 merits the favourable consideration of the Committee.

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Survey fees Gen. Examn. £5.0.0.

Damage fee ...

Expenses ...

Date when A/c rendered



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Lloyd's Register Foundation

General Examination held in accordance with Secy's letter for postponement of ES until 2/62

It is submitted that this vessel is eligible to remain as CLASSED. as it also also submitted the proposal & postpone the ES also merits approval.

[Signature]
21/1/62