

10. 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)

Records of Survey & Special Notations as per Register Book

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	MB 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

OLDING DOWN BOLTS & CHOCKS

CONDENSERS (MAIN & AUX.)

TEAM RE-HEATERS

SUPERHEATERS

OP & MANOEUVRING VALVES

IN ENGINE DRIVEN PUMPS

ANKCASE DOORS & EXPLOSION RELIEF DEVICES Have Main Engines been tested working and manoeuvring? Yes

ION OF MACHINERY AND RECOMMENDATIONS Eligible to remain as classed without fresh record

survey.

WEDNESDAY 3 JAN 1962

THURSDAY 28 DEC 1961

of Committee WEDNESDAY - 3 JAN 1962

Decision D. J. P. ES

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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		ELECTRICAL EQUIPMENT	
PROPULSION	PORT	STARBOARD	AUXILIARY EQUIPMENT
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

22 NOV 1961

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Lloyd's Register Foundation

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

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

25/12/61