

Rpt. 9

Date of writing report 19/6/62  
Survey held at CALCUTTA

Received London  
No. of visits TWO

Port CALCUTTA  
First date 26/5/62  
Last Date 15/6/62

29 JUN 1962

No. 20747

## REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R. B. 04157	S.S. Name M. V. "BHARATVIJAYA"	Gross tons 5976	Date of build 1943 - 1
Owners Bharat Line Ltd.,	Managers	Port of Registry BOMBAY	
Engines made Sld. By George Clark (1938) Ltd.,	Type T 3 Cy		
No. of Main Engines 1	No. of Screws 1	Records of Survey & Special Notations as per Register Book	
No. of Main Boilers 3 SB	W. P. 220 lb		
No. of Aux/Donkey Boilers	W. P.	Hull +100 A1	Machinery +LMC
Surveyed Afloat or in dry Dock Afloat		with freeboard	ES. 10-58
Nature of Survey Condition of Class		5-61	M. 10-60
Was Damage Report issued? No	Int. Cert? Yes	ss. 10-58	CL. 1-60N
Last Report (For Head Office only) 20668 col			sps. 10-58

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.

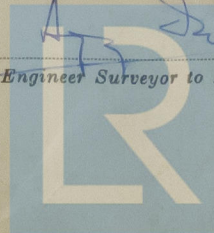
DOCKING Propellers	Wear Down of Stern Bushes	Oil Glands	Sea Connections
Fastenings	Has Screwshaft/Tubeshaft been drawn?	Date of Examination	Has Shaft been changed?
Has Shaft now fitted been previously used?	Has Shaft now examined/fitted a continuous liner?	Approved Oil gland	
MAIN ENGINES (Recip. Steam 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 Journal & 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			
16 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 SHAFT & BEARINGS			
25 HOLDING DOWN BOLTS & CHOCKS			
26 CONDENSERS (MAIN & AUX.)			
27 STEAM RE-HEATERS			
28 DE-SUPERHEATERS			
29 STOP & MANŒUVRING VALVES			
30 MAIN ENGINE DRIVEN PUMPS			
31 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES			
Have Main Engines been tested working and manœuvring?			

OPINION OF MACHINERY AND RECOMMENDATIONS The machinery of this vessel is eligible in my opinion to remain as classed without fresh record subject to grooving in gooseneck of all three furnaces of the starboard boiler being repaired and the governors of both generators being placed in working order by July 1962 (6 weeks limit).

Date of Committee TUESDAY 10 JUL 1962  
Decision Repaired for comp. MBS.  
Subject.

JOY DUTTA.  
Engineer Surveyor to Lloyd's Register of Shipping

Noted for Header



Lloyd's Register Foundation

003092-003099-0254

Wile Bom.  
(1d cans.)

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)

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, Generators & Governors, Motors, Switchboards & Fittings, Circuit Breakers, Cables, Insulation Resistance, Steering Gear Generators & Motors, and Navigation Light Indicators.

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 Generators 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)

Conditions of Class SRL No.189 Ref. Our Report 9 No.20551 dated 7/2/62.
(1) Grooving in gooseneck of all three furnaces of the starboard boiler.- It has been stated by Owners Representative that the ship will now proceed to Bombay where she will be laid up for survey or for scrapping. Under the circumstances it was requested that a deferrment of repairs be allowed. All three furnaces of the above boiler have now been examined and considered efficient meantime. It is recommended, however, that repairs to these furnaces be carried out by July 1962,(6 weeks limit).
(2) Generators - The armature of the outboard dynamo has been fitted this time. Both generators wererun and dynamos tested. The governors of both generators were found disconnected. Owners Representative requested that a deferrment of repairs be allowed. It was observed that the generated power on this ship was mainly utilised for lighting and ventilation. It is recommended, however, that the governors for both generators be repaired and fitted by July 1962 (six weeks limit).

LEAVE THIS SPACE BLANK

Survey fees Condition of Class Rs.200/-
Damage fees ...
Expenses ...
Date when A/c rendered 21/6/62