

Rpt. 9

Date of writing report. 3/8/57

Survey held at BOMBAY

Received London

No. of visits 18 15 AUG 1957

Port BOMBAY

No. 12359

First date 18-4-57

Last date 2-8-57

## REPORT OF PERIODICAL SURVEYS &amp; REPAIRS OF MACHINERY

No. in R.E. 64673 Name S.S. "JALAKANTA" Gross tons 7180 Date of build 1943

Owners Scindia Steam Nav. Co. Ltd. Managers Port of Registry Bombay

Engines made Sunnyvale By Joshua Hendy Iron Wks. Type 3 Cy.

No. of Main Engines 1 No. of Screws 1 Records of Survey &amp; Special Notations as per Register Book

No. of Main Boilers 2WT W.P. 250 lb Spt. 230 lb.

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

Surveyed Afloat or in Dry Dock Both

Nature of Survey ES.BS.TS(CL). SPS.

Was Damage Report issued? No Int. Cert. Yes

Last Report (For Head Office only)

Hull	Machinery
100A1	4-56 LMC 1-52
carrying oil FP above 150°F	BS 8-56
in DTA	TS CL 12-54
Classed	3-47
ss Bom. -	2-52
GE (3 mos)	2-57

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 Good Wear Down of Stern Bushes Close fit (re-wood) Oil glands - Sea Connections Good

Fastenings Good Has Screwshaft tubes been drawn? Yes Date of Examination 3-6-57 Has Shaft been changed? No

Has shaft now been previously used? - Has Shaft now examined fitted a continuous liner? Yes Approved oil gland? No

MAIN ENGINES (Recip. Steam or I.C.) TONP STARBOARD

1 Cyls. Covers, Pistons &amp; Rods Good

2 Valves &amp; Gears Good

3 Connecting Rods, Top Ends &amp; Guides Side Good

4 Crankpins &amp; Bearings Side Good

5 Journals &amp; Bearings Centre Good

6 Journals &amp; Bearings Good

7 Journals &amp; Bearings Good

8 Journals &amp; Bearings Good

9 Journals &amp; Bearings Good

10 Journals &amp; Bearings Good

11 Journals &amp; Bearings Good

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55 Journals &amp; Bearings Good

Date of Committee

Decision ES 8-57 MBS 7-57 TS 6-57 SPS 8-57

T. (MADE AND PRINTED IN ENGLAND.)

CERTIFICATE WRITTEN

Noted for Teacher

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G.K. Stevenson

Engineer Surveyor to Lloyd's Register of Shipping

Lloyd's Register Foundation

003434-003443-0170/2

If certificate is required state where to be sent.

Both Feed - Good. Main Circulating - Good. Aux. Cond. Circ. - Good  
Both Ballast - Good. Sanitary - Good. Both O.F. Service - Good. O.F. Transfer - Good. F.D. Fan - G

33 Bilge, Ballast & Oil Fuel Suction Lines, Fittings & Controls. Good

34 Have the remaining Piping Arrangements & Fittings in the machinery space been examined as considered necessary? Yes

35 Fresh Water Boilers --- 36 Lur. Oil Coilers --- 37 Heaters (state service) Feed Water (Tested) - Good  
Both O.F. (Tested) - Good.

38 Independent Air Compressors, Coolers & Safety Devices ---

39 Air Receivers & Safety Devices - Main ---

40 Oil Fuel Tanks (Not for use as part of hull structure) ---

41 Evaporators Good 42 Have Evaporator Safety Valves been tested under steam? Yes to 25 lb/sq. inch.

43 Steering Machinery Good 44 Windlass Good 45 Fire Extinguishing Arrangements Good

AUXILIARY ENGINES (Identify by position) Outboard - Good  
Centre - Good  
Inboard - Good

PROPULSION		PORT	STARBOARD	ELECTRICAL EQUIPMENT		AUXILIARY EQUIPMENT
Generators				Generators & Governors	Good	
Engines				Motors	Good	
Air Coolers				Switchboards & Fittings	Good	
Motors				Circuit Breakers	Good	
Air Coolers				Cables	Good	
Control Gear, Cables, etc.				Insulation Resistance	Good	
Insulation Resistance				Steering Gear, Generators and Motors	Good	
Insulating Oil Test				Navigation Light Indicators	Good	
Overspeed Governors						
Magnetic Couplings						
Air Gap						

BOILERS OPENED UP & EXAMINED (Identify by position and state latest date of internal examination of each boiler)

MAIN Starbd. 8-6-57 - Good. Port 29-5-57 - Good.

Superheaters Good

Safety Valves Good

Mountings, Doors & Fastenings Good

Safety Valves Adjusted to 230 lb/sq. } On 30-7-57  
225 lb/sq. } (PRESSURES AT OWNER REQUEST)

Boiler Securing Arrangements Good

Steam Trapped Steam Generators ---

Were Oil Burning System & Remote Controls examined working in accordance with Rules? Yes

Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules? Yes

EXAMINATION & TESTING OF STEAM PIPES (State material)

Main Good (Steel) Auxiliary (over 8 in. bore) Good (Steel)

Were Copper Pipes examined? ---

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)

REPAIRS NOW DONE (W & T) :- Stern bush wood renewed.

M.E. Nos. 2, 3, 4 & 5 main bearings re-metalled. Crankshaft to thrust shaft and thrust shaft intermediate shaft alignment checked at flanges. It was found necessary to move the thrust block approximately 1/32" athwartships to attain alignment. The thrust block fitted bolts renewed into re-aligned holes.

M.E. HP bottom end bearing re-metalled.

M.E. attached air pump liner found with small part broken at extreme bottom and now repaired by bronze welded a patch into the liner and machining. Bucket ring renewed.

Main condenser water box and forward door renewed (wastage).

Auxiliary condenser division plate of water box renewed.

Auxiliary condenser pump forward water end liner re-bored, bucket and rod.

Main circulating pump, pump end renewed complete. New pump manufactured by Jyoti Ltd., Baroda and satisfactorily tested under hydraulic press.

at Scindia Workshop. Pump engine piston rod and valve rod renewed.

Outboard ballast pump water end liner re-bored, bucket renewed.

Outboard feed pump water end liner re-bored, bucket renewed.

Survey fee	M.S.	Rs. 1665/-
	B.S.	Rs. 720/-
	T.S.	Rs. 180/-
	SPS	Rs. 150/-
Damage fee	Elec. Equip.	Rs. 450/-
	Rprs.	Rs. 450/-
		Rs. 120/-

Date when A/c rendered 3/8/1957.

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BOMBAY

Continuation of Report No. 12359 dated 3-8-1957

on the

"JALAKANTA"

Sanitary pump water end liner renewed, steam cylinder re-bored and piston renewed.

Port oil fuel service pump piston valve renewed.

Outboard dynamo cylinder and valve chamber re-bored, piston and valve renewed.

Centre dynamo piston valve renewed.

Inboard dynamo piston, piston valve and rod, renewed.

Steering engine control valve liner and all 3 piston valves renewed.

Windlass piston rods and valve rods renewed.

A few other repairs of a minor nature satisfactorily carried out.

Electrical - a number of electric light circuits in the accommodation renewed.

Satisfactory megger tests made on completion.

G.K.P.