

9 APR 1957

Rpt. 9

Date of writing report 18th Feb., 1957.

Received London

Port KOBE

No. 4258

Survey held at Mukaishima

No. of visits 9

First date 24th Dec., 1956

Last date 2nd Feb., 1957.

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 64645 Name ~~XXX~~ "JAG VIJAY" Gross tons 7125 Date of build 1942-6mo.
Owners Great Eastern Shipping Co., Ltd. Managers Port of Registry Bombay
Engines made Mtl. By Dominion Eng. Wks., Ltd. Type T 3Cy 24 1/2" 37" & 70" x 48"
No. of Main Engines 1 No. of Screws 1
No. of Main Boilers 3 W.P. 220 lbs.
No. of Aux./Donkey Boilers - W.P. -
Surveyed Afloat or in Dry Dock Both
Nature of Survey +LMC, s.p.s. TS(CL) & Alteration
Was Damage Report issued? - Int. Cert? Yes
Last Report (For Head Office only)

Records of Survey & Special Notations as per Register Book

Hull	Machinery
+100A1	+LMC
SS Bmn - 10,52	Engine 10,52
Dkg - 11,55	Boiler 11,55
	Tailshaft CL 10,55
	Steam pipe 10,52

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 Oil Glands - Sea Connections Good
Fastenings Good Has Screwshaft/Tubeshaft been drawn? Yes Date of Examination 8-1-57 Has Shaft been changed? Yes
Has Shaft now fitted been previously used? No Has Shaft now examined/fitted a continuous liner? Yes Approved oil gland? -

MAIN ENGINES (Recip. Steam ~~XXX~~)

1 Cyls., Covers, Pistons & Rods All Good

2 Valves & Gears All Good

3 Connecting Rods, Top Ends & Guides ~~XXX~~ All Good

4 Crankpins & Bearings ~~XXX~~ All Good

5 Journals & Bearings All Good

~~MAIN ENGINES (Recip. Steam XXX)~~

6 ~~XXX XXXX XXXX XXXX~~

7 ~~XXX XXXX XXXX XXXX~~

8 ~~XXX XXXX XXXX XXXX~~

9 ~~XXX XXXX XXXX XXXX~~

10 ~~XXX XXXX XXXX XXXX~~

~~MAIN ENGINES (Recip. Steam XXX)~~

11 ~~XXX XXXX XXXX XXXX~~

12 ~~XXX XXXX XXXX XXXX~~

13 ~~XXX XXXX XXXX XXXX~~

14 ~~XXX XXXX XXXX XXXX~~

15 ~~XXX~~

16 ~~XXX XXXX XXXX XXXX~~

17 ~~XXX XXXX XXXX XXXX~~

~~XXX XXXX XXXX~~

18 ~~XXX XXXX XXXX XXXX~~

19 ~~XXX XXXX XXXX XXXX~~

20 ~~XXX XXXX XXXX XXXX~~

21 ~~XXX XXXX XXXX XXXX~~

22 ~~XXX XXXX XXXX XXXX~~

23 THRUST BLOCKS, SHAFTS & BEARINGS Good

24 INTERMEDIATE SHAFTS & BEARINGS Good

25 HOLDING DOWN BOLTS & CHOCKS Good

26 CONDENSERS (MAIN & AUX.) tested Good

27 STEAM RE-HEATERS Good

~~XXX XXXX XXXX~~

28 STOP & MANOEUVRING VALVES Good

29 MAIN ENGINE DRIVEN PUMPS All Good

~~CRANKCASE DOORS & EXHAUST RELIEF DEVICES~~

Have Main Engines been tested working and manoeuvring? Yes

OPINION OF MACHINERY AND RECOMMENDATIONS The Machinery of this vessel is in good condition to remain as now classed with fresh record of +LMC 2,57, s.p.s. 1,57 and TS(CL) 1,57.

TUESDAY 7 MAY 1957

Date of Committee

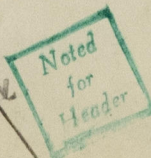
Decision

ESR-57

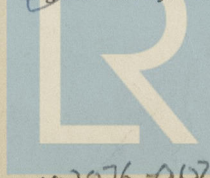
MBS-2-57 SPS 1-57

TSN1-57

CERTIFICATE WRITTEN



Engine Surveyor to Lloyd's Register of Shipping



Lloyd's Register Foundation

002876-002882-0041

If certificate is required state where to be sent

32 Essential Independent Pumps (Identify by position) Main circulating pump, Inboard & outboard/Pumps, G.S.Pump, Ballast Fore & Aft Fuel oil burning pumps and Oil fuel transfer pump :- Good.

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 Good

35 ~~XXXXXXXXXXXX~~ 36 ~~XXXXXXXXXXXX~~ 37 Heaters (state service) Feed Water heater, oil fuel (tested) Good.

38 ~~XXXXXXXXXXXX~~

39 ~~XXXXXXXXXXXX~~

40 ~~XXXXXXXXXXXX~~ 41 Oil Fuel Tanks (Not forming part of hull structure) Port & Starboard settling tanks: Good.

42 Evaporators Good 43 Have Evaporator Safety Valves been tested under steam? Yes, 20 lbs.

44 Steering Machinery Good 45 Windlass Good 46 Fire Extinguishing Arrangements Good

AUXILIARY ENGINES (Identify by position) Fore and Aft Good
Emergency (15 KW) Good (fitted at this time).

PROPULSION		ELECTRICAL EQUIPMENT		AUXILIARY EQUIPMENT	
PORT	STARBOARD				
a Generators				1 Generators & Governors	Good
b Exciters				m XXXXX	
c Air Coolers				n Switchboards & Fittings	Good
d Motors				o Circuit Breakers	Good
e Air Coolers				p Cables	Good
f Control Gear, Cables, etc.				q Insulation Resistance	Good
g Insulation Resistance				r XXXXXXXXXXXX	
h Insulating Oil Test				s Navigation Light Indicators	Good
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 Port & Starboard 27-12-56
Centre 13-1-57

Superheaters Good

Safety Valves Good

Mountings, Doors & Fastenings Good

Safety Valves Adjusted to Sat. 220 lbs.
Spt. 222 lbs.

Boiler Securing Arrangements Good

~~XXXXXXXXXXXX~~ ~~XXXXXXXXXXXX~~

~~XXXXXXXXXXXX~~ ~~XXXXXXXXXXXX~~

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

~~XXXXXXXXXXXX~~ Funnel Good

EXAMINATION & TESTING OF STEAM PIPES (State material)

Main Steel (tested 2 x W.P.) Good Auxiliary (over 3 in. bore) Steel (tested 2 x W.P.) Good.

Were Copper Pipes annealed? - ~~XXXXXXXXXXXX~~

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:- Tail shaft drawn, examined and found the cracks at the after end of 1' (Max. depth 12.5mm and 620 long) and also at top of keyway. This tailshaft condemned.

Ships spare tailshaft has now been fitted. Identification marks:- VESSEL No.135

LLOYDS

2175

SET CB5

No.10

W.S. 9-19-41

E.B. 12-11-41

Stern bush lignumvitae bottom half rewooded.

MAIN ENGINE:- Crank shaft lifted, all main bearing bottom halves remetalled and shaft realigned.

All piston rods skimmed and metallic packings renewed.

All crosshead pins and bearings skimmed.

All crank pins dressed up and bearings remetalled.

H.P. & M.P. guide shoes remetalled.

H.P.M.P. & L.P. astern guide bars skimmed.

All slide valve spindles skimmed and metallic packing renewed.

H.P. eccentric straps (ahead & astern) & L.P. eccentric strap (ahead

One(1) holding down bolt renewed.

Main engine driven bilge and sanitary pump plangers skimmed & nee renewed.

Survey fees LMC £ 74-0-0

SB. 30-0-0

Elut. 20-0-0

CK. 8-0-0

Damage fee alteration 20-0-0

Expenses... 9-0-0

K/c rendered from

London 9/1

Date when A/c rendered APR - 2 1957

Rpt. 9a

Port of KOBE

Continuation of Report No. 4258

dated 18th February, 1957 on the

S.S. "JAG VIJAY"

MAIN ENGINE: (Cont'd.)-

Skipped and neck bushes renewed.

Main condenser fore cover (C.I.) renewed and tested to 4 kgs.

LLOYD'S TEST KOB W.T.P. 4kgs JN LR 24-1-56.

Aux. condenser - 30 tubes renewed.

AUXILIARIES:-

Forward and aft 15 KW Generator engines - Piston rods skimmed.

Slide valves renewed.

Crank pin bearings remetalled.

Boiler draught fan engine:-

Cylinder bored and packing rings renewed.

Slide valve renewed.

Piston rod and slide spindle skimmed.

Crank pin bearing remetalled.

Fore and aft main bearings remetalled.

Impeller shaft forward bearing remetalled.

PUMPS:-

Main circulating pump:

Steam engine - piston rod and slide spindle skimmed.

Crank shaft - skimmed, crank pin bearing and main bearings remetalled.

Pump - Impeller shaft renewed.

Mouth rings renewed.

Feed pumps (Weirs type):-

Inboard & outboard pumps - Steam side - Main & aux. steam valve chests skimmed.

Main & aux. steam valves renewed.

Piston rod skimmed, neck bush renewed.

Water side - Water cylinder liners renewed.

Piston rods skimmed, neck bush renewed.

Ballast Pump (Worthington type):- 2 water cylinder liners renewed.

G.S. Pump (Weirs type):- Steam side - Main & Aux. valves renewed.

Water side - Water cylinder liner renewed.

Fuel oil transfer pump (Weirs type):- Steam side - Main & Aux. slide valves renewed.

Piston rod skimmed.

Oil side - Cylinder liner renewed.

Oil Fuel Burning pumps (Weirs type):- Steam side - Both pumps piston rods renewed.

Both pumps main slide valve chests

bored and valves renewed.

Oil side - Both pumps piston rods renewed.

Steering engine:- 1 Piston slide valve renewed.

Windlass:- 1 - Steam piston renewed.

2 - Crosshead pins renewed.

2 - Slide spindles renewed.

Boilers:- Port boiler (No.1): 72 smoke tubes renewed.

Centre boiler (No.2): 84 smoke tubes renewed.

Bottom blow off valve renewed.

Bottom plug renewed.

Starboard boiler (No.3): Bottom plug renewed.

Minor repairs effected.

ALTERATIONS:-

(1) At the request of the Owners one 15 KW emergency diesel generator set (velt driven) (second hand) has now been installed in accordance with the Rules at this time on Starboard aft floor in engine room. This generator set has been tested in accordance with the Rules and found satisfactory.

Particulars are as follows:-

Oil Engine Maker: Manufacturers and Sole Patentees

Russell Newbery & Co., Ltd.

Engine No.: 30BL170 B.H.P.: 27

No. of Cyl.: 3 Dia. of Cyl.: 104mm

Generator Maker: The Macfarlane Eng. Co., Ltd., Glasgow S4.

Serious: 30810 Rating: Continuous

Volts: 115 Amp.: 130

R.P.M. 1500 K.W.: 15

(2) Lower Deep Tanks port & Starboard (water ballast) altered at this time and converted to oil fuel tanks.

Piping arrangements modified in accordance with the approved plan and the Rules, all as shown on approved plan enclosed herewith.

On completion piping arrangements were tested and found satisfactory.

Interim Certificate No. 31-

issued - copy attached.

(P.T.O.)

Lloyd's Register Foundation

- (3) New Oil Fuel Settling Tank (capacity 200 liter) and piping arrangement for Emergency diesel generator engine have now been fitted with the approved plans and the Rules as shown on approved plan enclosed herewith..
On completion piping arrangement was tested and found satisfactory.

Interim Certificate No.BI-37887 issued- Copy attached.



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