

Rpt. 9

Date of writing report 29th Dec., 1955.

Received London

20 JAN 1956

Port KOBE

No. 3266

Survey held at Mukaishima

No. of visits 7

First date 6th Dec.,

Last date 16th Dec., 1955.

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 13098 S.S. "HIKOSAN MARU" Gross tons 6363 Date of build 1951-11mo.
Owners Nakano Kisen K.K. Managers Port of Registry Tokyo.
Engines made Tokyo By Ishikawajima Jukogyo K.K. Type 2 Steam turbine DR geared to SC Shaft
No. of Main Engines 1 No. of Screws 1
No. of Main Boilers 2 W.P. 285 lbs/in2
No. of Aux./Donkey Boilers - W.P. -
Surveyed Afloat or in Dry Dock Both
Nature of Survey +LMC
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 N 11,51
Carrying oil fuel FP above 150°F in DTs	WT 11,54
	CL 11,53
Dkg - 11,54	

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 3.15mm Oil Glands - Sea Connections Good

Fastenings Good Has Screwshaft/Tubeshaft been drawn? No 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 L.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 Cyls & 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 Good

19 EXHAUST STEAM TURBINES (WITH REEF ENGINES)

20 STEAM COMPRESSORS

21 CLUTCHES & HYDRAULIC COUPLINGS

22 REDUCTION GEARING Good

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

28 DE-SUPERHEATERS Good

29 STOP & MANOEUVRING VALVES Good

30 MAIN ENGINE DRIVEN PUMPS

31 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES Have Main Engines been tested working and manoeuvring? No

OPINION OF MACHINERY AND RECOMMENDATIONS

The Machinery of this Ship, is in good condition and eligible in our opinion to remain as classed with fresh record of +LMC 12,55, sps 12,55.

Date of Committee

THURSDAY - 2 FEB 1956

Decision

+ LMC 12.55

S.P.S 12.55

30m, 5.54. T.

CERTIFICATE WRITTEN.

Noted for Head

M. Yamakura © 2021
Engineer Surveyor to Lloyd's Register of Shipping

Lloyd's Register Foundation

008773-008777-032

If certificate is required state where to be sent. K O B E in Triplicate

32 Essential Independent Pumps (Identify by position)..... 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

35 ~~Fresh Water Coolers~~..... 36 Lub. Oil Coolers..... Good..... 37 Heaters (state service)..... Good (O.F. & Feed)

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)..... Good

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

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

AUXILIARY ENGINES (Identify by position).....

Starb'd., In and Outboard generator turbines; Good

Starb'd., Outboard dynamo reciprocating steam engine; Good

PROPULSION		ELECTRICAL EQUIPMENT	
PORT	STARBOARD	AUXILIARY EQUIPMENT	
a Generators.....		l Generators & Governors.....	Good
b Engines.....		m Motors	
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 Steering Gear Generators and Motors	
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 (2) Good..... ~~AUXILIARY, DONKEY or PRESS~~.....

Superheaters..... Good

Safety Valves..... Good

Mountings, Doors & Fastenings..... Good

Safety Valves Adjusted to { Sat. 285 lbs/in2

{ Spt. 275 lbs/in2

Boiler Securing Arrangements..... Good

Main Economisers..... Good..... ~~Exhaust Gas Heated Economiser~~.....

~~Steam Heated Steam Generators~~..... ~~Steam Generator Safety Valves Adjusted to~~.....

Were Oil Burning System & Remote Controls examined working in accordance with Rules? Yes..... ~~Forced Circulating Pumps~~.....

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

EXAMINATION & TESTING OF STEAM PIPES (State material)

Main (Steel) Good..... Auxiliary (over 3 in. bore) (Steel) Good

~~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)

Repairs due to wear and tear:- Safety valves on both boilers removed ashore, tested and their seats skimmed up and refitted. Main circulating pump shaft skimmed up and their bearings rewooded. In and outboard feed pump turbine rotor shafts skimmed up, their bearings remetalled. Mouth rings and bearing bushes of the G.S. pump renewed. Other minor repairs effected.

Propeller damage sustained through grounding at Niigata harbour on the 18th October, 1955:-

Propeller damage specially examined and found bents in way of blade tips.

Bent blades faired in place and found in good condition.

Interim Certificate No.B1-27507 issued - copy attached.

LEAVE THIS SPACE BLANK

Survey fees ~~LMC~~ 84.000

BS 28.000

Glect. 24.000

Damage fee ...

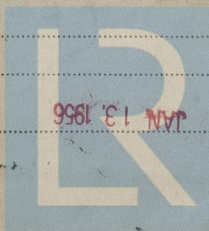
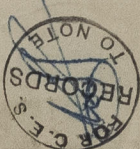
Expenses... 4.400

Date when A/c rendered..... 9981 31 MAY

It is submitted that this vessel is eligible for THE RECORD

T Lane 12/57

Sps 12/57



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