

Rpt. 9

17 NOV 1960

Date of writing report 14th Oct., 1960

Received London

Port KOBE

No. 8307

Survey held at Kobe

No. of visits 4

First date 3rd Oct., 1960 Last date 11th Oct., 1960

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 79652 Name M.V. "SEIHO MARU" Gross tons 13046 Date of build 1,1952
Owners Iino Kaiun K.K. Managers

Engines made Kob By Kawasaki Dkyd Co., Ltd. Type Oil Engine 2DA 8Cy. MAN
Port of Registry Tokyo

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

	Hull	Machinery
No. of Main Boilers	-	W.P. -
No. of Aux./Donkey Boilers	2	wtdb w.p. 178 lbs
Surveyed Afloat or in Dry Dock	Both	
Nature of Survey	CS, DBS, TS(CL)	
Was Damage Report issued?	No	Int. Cert. Yes, B1-66563 copy attached.
Last Report (For Head Office only)	SS 1,60 DS 1,60	+LMC Engines CS 1,60 Boilers d 2,59 Tailshaft CL 2,59 Steam pipes 1,60

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-wooded) Oil Glands - Sea Connections -
Fastenings Good Has Screwshaft Tubeshaft been drawn? Yes Date of Examination 9/10/60 Has Shaft been changed? No
Has Shaft now fitted been previously used? - Has Shaft now examined/fitted a continuous liner? - Approved oil gland? -

MAIN ENGINES ~~RECIPROCATING~~ I.C.) ~~PORT~~ ~~STARBOARD~~
1 Cyls., Covers, Pistons & Rods Nos. 4 & 5 Good
2 Valves & Gears Nos. 4 & 5 Good
3 Connecting Rods, Top Ends & Guides ~~XXX~~
Centre Nos. 4 & 5 Good
4 Crankpins & Bearings ~~XXX~~
Centre Nos. 4 & 5 Good
5 Journals & Bearings Nos. 7 & 8 Good

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 (Port and Starboard) Good
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 SHAFTS & BEARINGS Good
25 HOLDING DOWN BOLTS & CHOCKS
26 CONDENSERS (MAIN & AUX.)
27 STEAM RE-HEATERS
28 DE-SUPERHEATERS
29 STOP & MANOEUVRING VALVES

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 so far as now seen is in an efficient condition and that in the case of this vessel the following survey records be made in the Supplement to the Register Book TS (CL) 10,60, DBS 10,60 on completion and CS with date on completion and that her Machinery Classification Record be continued in the Book.

THURSDAY - 1 DEC 1960

Date of Committee As now
Decision TS 10, 60

50m,4,59 T. (MADE AND PRINTED IN ENGLAND)

K. Tabuchi, A. Mura & S. Matsumoto.
Engineer Surveyor to Lloyd's Register of Shipping
Lloyd's Register Foundation

010580-010588-0145

If so, is the Report sent now, or when will it be sent?

If certificate is required state where to be sent

32 Essential Independent Pumps (Identify by position) Fw'd feed pump (port side), Outb'd O.F. burning pump (starb'd side), Fw'd F.W. & S.W. cooling pumps (starb'd side), Fire & G.S. pump (starb'd side), Ballast pump (port side), Aft main L.O. pump (port side)

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

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 Inboard (port side) Good

39 Air Receivers & Safety devices—Main Outboard (port side) Good 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).....

Inboard generator oil engine in its entirety (port side)

PROPULSION	ELECTRICAL EQUIPMENT		AUXILIARY EQUIPMENT
	PORT	STARBOARD	
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 ~~BOILER~~, DONKEY, ~~BOILER~~ Port and starboard
5-10-60 Good

Superheaters Good

Safety Valves Good

Mountings, Doors & Fastenings Good

Safety Valves Adjusted to { Sat. 178 lbs/in2
Spt. -

Boiler Securing Arrangements Good

Main Economisers Exhaust Gas Heated Economiser Good *

Steam Heated Steam Generators Steam Generator Safety Valves Adjusted to -

Were Oil Burning System & Remote Control ~~working~~ in accordance with Rules? Yes Forced Circulating Pumps Port & Starb'd Good

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 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)

Wear and tear repairs:-

Impeller of the fwd salt cooling water pump found wasted renewed at this time.

* The safety valve on exhaust gas economizer will be adjusted and reported by ship's Chief Engineer to this office.

Circular No. 2144:-

It is confirmed that donkey boiler as fitted are required to supply steam for oil fuel heating service at sea and therefore, the description of these boilers in the Register Book may be altered from wt db to Wt Aux. Boiler.

LEAVE THIS SPACE BLANK

Survey fees T.S. (CL) ¥10,500
CS 70,000
DB & E.G. 40,500
Damage fee
Expenses... ..
Special Attend. Fee ¥2,000
Date when A/c rendered NOV - 2 1960