

Rpt. 9

Date of writing report 10/9/1962.

Survey held at Kasado

Received London

No. of visits 3

Port SHIMONOSEKI.

First date 28-8-62

No. 2051

Last date 4-9-62

# REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 79567 Name M.V. "RYUKO MARU"

Owners Kotani Kisen K.K.

Managers -

Gross tons 4415

Date of build 6-1928

Engines made Niigata, By Niigata Eng. Co., Ltd.

Port of Registry Kobe

Type Oil Eng. 2SA 8Cy. + NE 57.

No. of Main Engines 1 No. of Screws 1

No. of Main Boilers - W.P. -

No. of Aux./Dock Boilers 1 W.P. 200 lb.

Surveyed Afloat or in Dry Dock Both

Nature of Survey Part CS, ABS & SRL.

Was Damage Report issued? No Int. Cert.? Yes, copy attached.

Last Report (For Head Office only)

Records of Survey & Special Notations as per Register Book

Hull	Machinery
✱ 100A1	✱ LMC
with fbd.	ES CS 8/60
SS(Dr) 12/51	BS A 8/61
8/59	TS CL 8/61
DS 8/61 (Reclassified 11/46)	SPS 7/57

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 2.9 mm Oil Glands No. 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. ~~SIX CYCLE~~ 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 Journals & 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 SHAFTS & BEARINGS

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?

## OPINION OF MACHINERY AND RECOMMENDATIONS

The machinery and boiler of this ship so far as now seen is in good condition and eligible in our opinion to remain as now classed with record of CS (with date) when the survey has been completed, ABS 9/62 now without restricted of windlass steam cylinder block and alignment of rotor of turbo blower.

Date of Committee

Decision

FRIDAY - 5 OCT 1962

As now without spl.cdn  
ABS 9.62

Noted for Header

Engine Surveyor to Lloyd's Register of Shipping  
Y. Hamada & K. Okada

Has a Survey also been held on Ship? YES  
 If so, is the Report sent now, or when will it be sent? NOW

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 Receiver & 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 gen. good. 45 Windlass good, cyl.block(N) 46 Fire Extinguishing Arrangements.....

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

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 Cap.....			

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

MAIN..... AUXILIARY, ~~CONKEY~~ ~~COBBES~~ 30 - 8 - 62

Superheaters..... good.

Safety Valves..... good.

Mountings, Doors & Fastenings..... 200 lb.

Safety Valves Adjusted to { Sat. -  
Sp. - } good.

Boiler Securing Arrangements.....

Main Economisers..... Exhaust Gas Heated Economisers.....

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..... 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)

- S.R.L.: (1) Windlass steam cylinder (ps) to be renewed 2/62 (6 months limit).  
(2) True alignment of rotor in way of Journal to be checked by 5/62 (12 months)

(1) Now renewed cylinder block complete set. New cylinder block was tested by Society surveyor.  
Marks: LLOYD'S TEST SMK W.T.P. 13 kg Koi LR 10-3-62.  
On completion tried windlass and found satisfactory.

(2) Both Scavenge Blower disconnected at the gear coupling, alignment checked and found true. This item be deleted from the List.

Wear & tear repair:  
Aux. boiler;  
Renewed 1 boiler tube and expanded approx. 50 p. of boiler tubes.

Other minor repairs effected. 4/

LEAVE THIS SPACE BLANK

Survey fees ABS ¥13,500  
Condition of Class(M) 10,000 Glf

Damage fee .....

Expenses See Rpt. 8 No. 2051

Date when A/c rendered

