

Rpt. 9

Date of writing report 20th April 1956

Received London

Port YOKOHAMA

No. 1899

Survey held at Yokohama

No. of visits 8

First date 16th March '56

Last date 14th April 1956

# REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 29722 Name S.S. "TERUTAMA MARU"

Gross tons 5771 Date of build 5 - 1925

Owners Hokkaido Gyogyo Kosha K.K.

Managers -

Port of Registry Hakodate

Engines made 1925 By D. Rowan & Co., Ltd., Gls.

Type Tripple expansion, reciprocating

No. of Main Engines 1 No. of Screws 1

Records of Survey & Special Notations as per Register Book

No. of Main Boilers 2 W.P. 200 lb

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

Surveyed Afloat or in Dry Dock Both

Nature of Survey LMC, TS, BS, sps.

Was Damage Report issued? No Int. Cert. Yes

Last Report (For Head Office only)

Hull		Machinery	
100 A1	S.S. 4/52	LMC	4/52
Sbo(Dr)	4/52	BS	3/55
Dkg.	10/55	CL	6/54
		OF	4/52

Yes Now

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 minimum Oil Glands - Sea Connections good  
Fastenings good Has Screwshaft/Tubeshaft been drawn? Yes Date of Examination 16-3-56 Has Shaft been changed? Yes  
Has Shaft now fitted been previously used? Yes Has Shaft now examined/fitted a continuous liner? Yes Approved oil gland? -

MAIN ENGINES (Recip. Steam ~~at 100 lb~~)

STARBOARD

1 Cyls., Covers, Pistons & Rods good

2 Valves & Gears

3 Connecting Rods, Top Ends & Guides good

4 Crankpins & Bearings good

5 Journals & Bearings good

MAIN ENGINE DRIVEN AIR COMPRESSORS

6 Cyls., Covers, Pistons & Rods

7 Connecting Rods & Top Ends

8 Crankpins & Bearings

9 Journals & Bearings

10 Valves & Gears

MAIN ENGINE DRIVEN SCAVENGE PUMPS

11 Cyls., Covers, Pistons & Rods

12 Connecting Rods & Top Ends

13 Crankpins & Bearings

14 Journals & Bearings

15 Valves

16 SCAVENGE BLOWERS

17 SUPERCHARGERS

MAIN TURBINES

18 Cyls., Covers, Pistons, Bearings & Thrusts

19 STEAM CYLINDERS/TURBINES/VALVES/BEARINGS/THRUSTS

20 STEAM COMPRESSORS

21 CLUTCHES & HYDRAULIC COUPLINGS

22 REDUCTION GEARS

23 THRUST BLOCKS, SHAFTS & BEARINGS good

24 INTERMEDIATE SHAFTS & BEARINGS good

25 HOLDING DOWN BOLTS & CHOCKS good

26 CONDENSERS (MAIN & AUX.) good (both tested)

27 STEAM RE-HEATERS

28 DE-SUPERHEATERS

29 STOP & MANOEUVRING VALVES good

30 MAIN ENGINE DRIVEN PUMPS good

31 MANHOLES/DOORS & EXHAUST/SAFETY DEVICES

Have Main Engines been tested working and manoeuvring? yes

OPINION OF MACHINERY AND RECOMMENDATIONS

The Machinery of this vessel so far as now seen is in an efficient condition and eligible in our opinion to remain as now classed with fresh record of LMC 4,56 now; TSCL 3,56 and sps. 4,56.

Date of Committee

THURSDAY 31 MAY 1956

Decision

+ LMC 4.56

5.3.56

Sps 4.56

30m. 6.55. T. (MADE AND PRINTED IN ENGLAND.)

CERTIFICATE WRITTEN.

Engineer Surveyor to Lloyd's Register of Shipping



Lloyd's Register Foundation

012273-012278-0033



32 Essential Independent Pumps (Identify by position)..... Ballast pump, general service pump, sea water circulating pump. Bilge pump. Fan engine. Main circulating pump. Fore and After feed pumps. Inboard and outboard oil fuel burning pump. *good*  
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

35 ~~Fresh Water Coolers~~..... 36 ~~Hot Oil Coolers~~..... 37 Heaters (state service)..... *Feed heater good*  
*Three(3) F.O. heaters good.*

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).....  
Outboard 30 KW DC generator  
Inboard 30 KW DC generator

*good*  
*good*

#### ELECTRICAL EQUIPMENT

##### PROPULSION

##### PORT

##### STARBOARD

##### AUXILIARY EQUIPMENT

a Generators.....

b Exciters.....

c Air Coolers.....

d Motors.....

e Air Coolers.....

f Control Gear, Cables, etc.....

g Insulation Resistance.....

h Insulating Oil Test.....

i Overspeed Governors.....

j Magnetic Couplings.....

k Air Gap.....

l Generators & Governors..... good

m Motors..... good

n Switchboards & Fittings..... good

o Circuit Breakers..... good

p Cables..... good

q Insulation Resistance..... good

r Steering Gear/Generators and Motors.....

s Navigation Light Indicators..... good

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

MAIN Port & Stbd. good 20 - 3 - 56

~~AUXILIARY/DONKER/OT/RESS~~

~~Superheaters~~

Safety Valves..... good

Mountings, Doors & Fastenings..... good

Safety Valves Adjusted to { Sat. 200 lb/□"  
Spt.....

Boiler Securing Arrangements..... good

~~Main Economisers~~

~~Exhaust Gas Heated Economisers~~

~~Steam Heated Steam Generators~~

~~Steam Generator Safety Valves Adjusted to~~

Yes

~~Forced Circulating Pumps~~

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

~~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 pipes good

Auxiliary (over 3 in. bore) Copper pipes good.

Were Copper Pipes annealed? Yes

~~Have saturated pipes in cylindrical boiler smoke boxes been examined as required by Rules?~~

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 & Tear:-

Stern bush, rewooded.

L.P. slide valve spindle, skimmed up and neck bushes renewed.

Steering engine, control valve renewed.

After feed pump, steam and water pistons renewed.

Fan engine, crank pin bearings, remetaled.

Other minor W. & T. repairs were effected at this time.

Alteration:

The following alterations and additions now done in accordance with approved plans and the Rules.

Existing inboard 15KW.DC generator, replaced with new steam engine driven 30 KW.

DC generator having particulars as follows:-

105V, 286A, 550RPM, Mach.No. 25182

Existing 30 T/D capacity evaporator, replaced with new 50 T/D capacity evaporator and new sea water circulating pump, brine pump and distiller for above evaporator, installed. P.T.O.

LEAVE THIS SPACE BLANK

Survey fees

LMC ¥ 84,000.-

BS ¥ 30,000.-

TS ¥ 8,000.-

Alteration

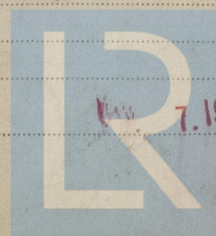
¥ 20,000.-

Damage fee

Expenses...

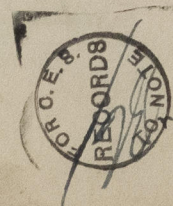
¥ 4,000.-

Date when A/c rendered.....



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29 MAY 1956

It is submitted that this vessel is eligible for the RECORD. 5.3.56. sp. 4.56.

L.M.C. MS. due 4.56. worked BS. due 3.56. now held. Working. screw shaft seen. Steam pipes seen. Repairs and alterations effected.