

23 MAY 1955

Rpt. 9

Date of writing report 16th April 1955  
Survey held at Yokohama

Received London  
No. of visits 6

Port YOKOHAMA No. 1656  
First date 19th February Last date 2nd April 1955

# REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 80000 Name S.S. "TERUTAMA MARU" Gross tons 5643 Date of build 1925  
Owners Tamai Shosen Kaisha Managers - Port of Registry Kobe  
Engines made Glasgow By D. Rowan & Co., Ltd. Type Triple exp. reciprocating engine.

No. of Main Engines 1 No. of Screws 1  
No. of Main Boilers 2 W.P. 200 lbs.  
No. of Aux./Donkey Boilers - W.P. -  
Surveyed Afloat or in Dry Dock both  
Nature of Survey BS, Docking, Alteration, Repairs etc.  
Was Damage Report issued? - Int. Cert.? Yes  
Last Report (For Head Office only)

Records of Survey & Special Notations as per Register Book

Hull	Machinery
100 A1	LMC 4,52
12,53,654	BS 6,54
SS Sasebo - 4,52 (Dr)	BS CL 6,54
Fitted for oil fuel 4,52 F.P. above 150°F	

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 5.10 mm 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 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

### 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

### 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 & MANEUVRING VALVES

- 30 MAIN ENGINE DRIVEN PUMPS

- 31 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES

Have Main Engines been tested working and manœuvring?

### OPINION OF MACHINERY AND RECOMMENDATIONS

The machinery of this vessel, so far as now seen, is in a good and efficient condition and eligible in our opinion to remain as now classed with fresh record of BS 3,55.

Date of Committee Decision BS 3.55

30m.5.54. T.

Noted for Entry

Engineer Surveyor to Lloyd's Register of Shipping

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 Receivers & 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..... 45 Windlass..... 46 Fire Extinguishing Arrangements.....

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

ELECTRICAL EQUIPMENT		AUXILIARY EQUIPMENT	
PROPULSION	PORT	STARBOARD	AUXILIARY EQUIPMENT
a	Generators.....		Generators & Governors.....
b	Exciters.....		Motors.....
c	Air Coolers.....		Switchboards & Fittings.....
d	Motors.....		Circuit Breakers.....
e	Air Coolers.....		Cables.....
f	Control Gear, Cables, etc.....		Insulation Resistance.....
g	Insulation Resistance.....		Steering Gear Generators and Motors.....
h	Insulating Oil Test.....		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 Port and Starboard. good 25-2-55

Port boiler hydraulically tested to 180 lbs/in<sup>2</sup> after completion of repair.

Superheaters.....

Safety Valves good

Mountings, Doors & Fastenings good

Safety Valves Adjusted to { Sat. 183 lbs. / Spt. }

Boiler Securing Arrangements good

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

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

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)

Repairs (Wear & Tear):-

- (1) Main Engine MP piston packing ring grooves machined and renewed rams bottom rings.
- (2) Main Engine HP crank brass white metal renewed.
- (3) Port boiler front end plate flange in way of lower part of starboard centre furnace, grooved now chipped out and welded and boiler hydraulically tested to 180 lbs. per sq.in. on completion.
- (4) Port boiler 1 smoke tube renewed.
- (5) Starboard boiler man hole flanging built up by welding and door faced up.
- (6) Ballast pump discharge valve box renewed.
- (7) Main condenser 2 tubes renewed.

Other minor repairs were effected at this time.

Alteration:- The following alterations and additions for conversion to Fish Canning Vessel now done in accordance with approved plans and the Rules.

Existing 30KW and 15KW steam eng., generators and switch board removed from eng., room stbd., side floor to port side 2nd deck and this new generator room ventilated by 5 HP motor fan.

Two new diesel engine AC generator sets (90 KVA) installed at engine room stbd., side floor and tank top in way reinforced. Cont'd Sheet

These generators are factory purpose only and not built under special survey.

New switch board installed at eng., room stbd., aft.

New sea chest fitted at eng., room stbd., side between frm.No.67-68, and one sea valve for 90 KVA diesel engines and one sea valve for fish washing pump provided.

5HP diesel engine driven air compressor and two 150 L, 30 kg/cm<sup>2</sup> starting air bottles installed for new generator diesel engines.

New oil burning 20 ton. per day capacity evaporator ( L 3.5m, b 2,25m, h 2m) installed in eng., room stbd. side store room for factory purposes.

Newly fitted oil pipes within the engine and boiler spaces tested after jointing to the Rule requireme

Air bottles (seamless type) hydraulically tested to 60 kg/cm<sup>2</sup>.

Newly fitted electric installations megger tested.

The following auxiliaries & etc., installed at this time for fishing and canning factory purposes.

- (1) Two F.O. settling tanks for generator engine (100 litre each.)
- (2) Sea water pump for fish washing ( 35M<sup>3</sup>/H x 18M )
- (3) F.O. supply pump for fishing boat ( 15M<sup>3</sup>/H x 35M )
- (4) F.W. supply pump for fishing boat ( 30M<sup>3</sup>/H x 22M )

Interim Certificate issued - copy herewith.

*Handwritten signature*

*Doekun*  
*As due to hull some alterations*  
*It is submitted that this vessel is eligible for TILL RECORD 357*

LEAVE THIS SPACE BLANK

*Handwritten signature*



Survey fees BS ¥ 20,000.-  
 Alt. ¥ 25,000.-  
 Repairs ¥ 10,000.-

Damage fee .....

Expenses .....

Date when A/c rendered..... MAY. 13. 1955