

24. APR. 1961

33879

Rpt. 9

Date of writing report 18-4-61  
Survey held at Sydney. N.S.W.

Received London  
No. of visits 3

WRECK SECTION  
Port Sydney. N.S.W. No. 33879  
First date 11/4/61 Last date 14/4/61

# REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 56461 S.S. Name M.V. "CHANGTE" Gross tons 4324 Date of build 2/1925  
Owners Australian-Oriental Line Ltd. Managers - Port of Registry Hong Kong  
Engines made 1925 By Hkg. & Whampoa Dk Co. Ltd. Hkg. Type T 3cy.

No. of Main Engines 1 No. of Screws 1  
No. of Main Boilers 3 SB W.P. 200lb.

No. of Aux./Donkey Boilers - W.P. -  
Surveyed Afloat or in Dry Dock Afloat

Nature of Survey Reps to ford boiler

Was Damage Report issued? No Int. Cert.? Yes

Last Report (For Head Office only)

33850 - Syd

Hull		Machinery	
+ 100A1	SS 6/56	+LMC	ES 7/55
	DS 12/60		MBS 12/59
			TSCl 12/60
			SP 10/56

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 Wear Down of Stern Bushes Oil Glands Sea Connections

Fastenings Has Screwshaft/Tubeshaft been drawn? 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

### 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. This vessels machinery as far as seen is in goon condition and eligible in my opinion to remain as now classed with record of M.B.S 12/60 (as previously recommended) when the survey has been completed, without special conditions in regard to the ford boiler repairs and subject to all conditions attached to the class of the vessels machinery being dealt with as previously recommended.

Date of Committee MONDAY - 8 MAY 1961  
Decision See Committee minute of 21 March, 1961.

Wate H. Kg.

J. M. Petrie 2020  
Engineer Surveyor to Lloyd's Register of Shipping

(I.M. Petrie) Lloyd's Register Foundation

003656-003064-0302

If certificate is required state where to be sent

Syd 21.4

No

If so, is the Report sent now, or when will it 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 ..... 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) .....

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ELECTRICAL EQUIPMENT

PROPULSION	PORT	STARBOARD	AUXILIARY EQUIPMENT
a Generators	.....	.....	Generators & Governors
b Exciters	.....	.....	.....
c Air Coolers	.....	.....	m Motors
d Motors	.....	.....	.....
e Air Coolers	.....	.....	n Switchboard & Fittings
f Control Gear, Cables, etc.	.....	.....	o Circuit Breakers
g Insulation Resistance	.....	.....	p Cables
h Insulating Oil Test	.....	.....	q Insulation Resistance
i Overspeed Governors	.....	.....	r Steering Gear Generators and Motors
j Magnetic Couplings	.....	.....	s Navigation Light Indicators
k Air Gap	.....	.....	.....

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

MAIN ..... AUXILIARY, DONKEY or PRESS .....

Superheaters .....

Safety Valves .....

Mountings, Doors & Fastenings .....

Safety Valves Adjusted to { Sat. Ford. 200 P.S.I.  
Spt. ....

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? ..... Forced Circulating Pumps .....

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

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 TO FORD BOILER PORT FURNACE

Riveted attachment of furnace to front end plate now removed by cropping front end plate in line with edge of rivet holes and cropping furnace back  $\frac{1}{2}$ " from this edge to allow for fillet welding.

Repairs hydraulically tested, further examined under steam and found satisfactory.

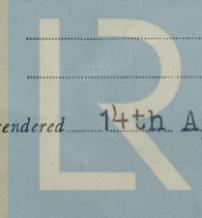
LEAVE THIS SPACE BLANK

Ford Boiler Repairs Survey fees ..... £15/0/0

Damage fee .....

Expenses ..... 9/-

Date when A/c. rendered 14th April, 1961.



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