

-6. FEB. 1961

Rpt. 9

Date of writing report 11th Jan., 1961 Received London Port KOBE No. 8595
Survey held at Osaka No. of visits 5 First date 23rd Dec. Last date 4th Jan., 1961

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 56699 S.S. "CHINA FIR" Gross tons 5450 Date of build 2, 1937
Owners HongKong Fir Shipping Co., Ltd. Managers Fir Line Ltd. Port of Registry Hong Kong
Engines made Hpl By Richardsons, Westgarth Type T 30y. 24" 40" & 69" x 48"

No. of Main Engines 1 No. of Screws 1
No. of Main Boilers 2 SB W.P. 220 lbs
No. of Aux./Donkey Boilers 1 Aux. SB W.P. 220 lbs Spt
Surveyed Afloat or in Dry Dock Both
Nature of Survey Dry Dock & GE
Was Damage Report issued? - Int. Cert.? Yes, B1-68137
Last Report (For Head Office only) copy attached.

Records of Survey & Special Notations as per Register Book

Hull	Machinery
+100A1	+LMC
with freeboard	Engine 2,56
SS 2,56	Boiler M 3,60
DS 1,60	Tailshaft A 3,60
	CL 1,60
	Steampipes 2,56

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 Good Wear Down of Stern Bushes 3.10mm Oil Glands None 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. Recip.~~ Recip. ~~PORT~~ STARBOARD

1 Cyls., Covers, Pistons & Rods
2 Valves & Gears
3 Connecting Rods, Side
Top Ends & Guides Centre
4 Crankpins & Side
Bearings 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

SCAVENGE BLOWERS
7 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? Yes

OPINION OF MACHINERY AND RECOMMENDATIONS The machinery of this ship so far as now surveyed is in good condition and that in the case of this vessel no fresh record be made in the Supplement to the Register Book and that her Machinery Classification Record be continued in the Book without special condition regarding the outboard steam generator engine (No.2) but subject to No.1 generator steam engine piston valve and windlass engine shaft pinion and wheel being renewed at the Special Survey now due.

Date of Committee TUESDAY 14 MAR 1961
Decision Deferred for comp ES
Cutter

40m,3.58 T. (MADE AND PRINTED IN ENGLAND.)

Engine Surveyor to Lloyd's Register of Shipping
P. Mason & M. Hayashibara

002647-002652-0010

M.M

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)

No.1 generator steam engine (inboard) Good +

PROPULSION		ELECTRICAL EQUIPMENT	
PORT	STARBOARD		AUXILIARY EQUIPMENT
a Generators			l Generators & Governors Good
b Exciters			m Motors None
c Air Coolers			n Switchboards & Fittings Good
d Motors			o Circuit Breakers -
e Air Coolers			p Cables Good
f Control Gear, Cables, etc.			q Insulation Resistance All circuits above 1 - Megohm
g Insulation Resistance			r Steering Gear Generators and Motors -
h Insulating Oil Test			s Navigation Light Indicators Good
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 AUXILIARY, DONKEY or PRESS
Superheaters
Safety Valves
Mountings, Doors & Fastenings
Safety Valves Adjusted to Sat.
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)

Now Done for General Examination:-

All main and auxiliary machinery & boilers examined under working conditions including steering engine and windlass. Hold and machinery space bilges examined pumping, electrical circuits examined. Megger test readings taken, piping arrangements examined and after minor repairs all found satisfactory.

NOTE:- The windlass engine shaft pinion and wheel teeth were noted to be badly worn, and it is recommended that they be renewed at the Special Survey being considered efficient meantime.

Machinery opened up and examined this time for G.E.

No.1 Generator (Inboard) - Piston valve found very slack but machine working efficiently. It is recommended that the piston valve be renewed at the Special Survey now due. The Owners have requested that this machinery item be credited towards the Special Survey now due.

Condenser Circulating Pump - Piston and valves examined, bearings adjusted.

Bilge Suction valves - Including bilge injection opened up and found placed in good condition.

Repairs - 1 tunnel well bilge pipe renewed. 3 steam smothering pipes renewed.

Condition of Class (No.177):- "Outboard steam generator engine to be replaced on completion of repairs and tested under working condition at earliest opportunity".

Now Done:- Generator replaced after overhauling at Hong Kong examined under working conditions and found satisfactory. It is submitted that this item be now deleted.

LEAVE THIS SPACE BLANK

General Exam. £30-0-0
Survey fees of Mech. 20-0-0
Repairs & Condition of class 20-0-0
Damage fee ...
Expenses... 5-0-0
Special Attend. Fee 6-0-0

Date when A/c rendered

JAN 25 1961

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