

Rpt. 9

Date of writing report

Received London

15 APR 1958

Port

No. 856

Survey held at Nagasaki

No. of visits 9

First date 17th Feb.

Last date 8th March, 1958

# REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 22728 S.S. "OAKBY"

Owners Ropner Shipping Co., Ltd.

Gross tons 7140

Date of build 1942-6

Engines made Hamilton, General Mach. Corp.

Managers

Port of Registry West Hartlepool

No. of Main Engines 1 No. of Screws 1

Type T.3Cyl 24", 37" & 70 x 48"

No. of Main Boilers 3 W.P. 220lbs

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

Surveyed Afloat or in Dry Dock afloat

Nature of Survey Completion of BS

Was Damage Report issued? Yes Int. Cert? Yes

Last Report (For Head Office only)

Records of Survey & Special Notations as per Register Book

Hull	Machinery
+100A1 with free board	+IMC
12.56	BS
2nd deck	TS CL
SS Shl.	sps
E W.	
9.54	
	9.54

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 SUMPS

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 of this ship, so far as now seen, is in good condition and eligible in my opinion to remain as classed with fresh record of MBS 8,57 as previously recommended and steam pipe survey 3,58.

Date of Committee

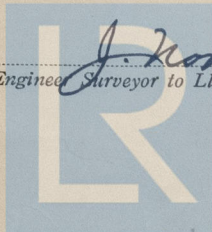
THURSDAY 22 MAY 1958

Decision

MBS 8.57 without spl. cdn.  
SPS 3.58

Noted for Header

J. Kanohara  
Engine Surveyor to Lloyd's Register of Shipping



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010283-010288-0163 1/2

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).....

PROPULSION		ELECTRICAL EQUIPMENT	
PORT	STARBOARD	AUXILIARY EQUIPMENT	
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 Gap.....	.....		

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

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

Superheaters Port, center & starb'd good

Safety Valves Starb'd (sat) good

Mountings, Doors & Fastenings.....

Safety Valves Adjusted to { Sat Starb'd Boiler only 220 lbs

{ Spt.....

Boiler Securing Arrangements..... Exhaust Gas Heated Economisers.....

Main Economisers..... 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? Yes Funnel good

EXAMINATION & TESTING OF STEAM PIPES (State material)

Main good 2 x W.P. (steel) Auxiliary (over 3 in. bore).....

Were Copper Pipes annealed?..... Have Saturated Pipes in cylindrical boiler smoke boxes been tested? Yes 2 x W.P. (St

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)

**Wear & Tear Repair:-**

Inb'd feed pump: - Pump bucket renewed.

Boiler draft fan engine: - Fan engine took ashore. Cylinder bored and piston renewed.  
Crank shaft checked in lathe and skimmed. Crank pin bearing & crosshead bearing renewed by ships spare.  
Fan shaft check truth in lathe and skimmed.  
Fan engine afterwards being aligned.

Boilers:- Starb'd & center boilers back end plates corroded in way of openings of main feed check valves - chipped out and built up by welding.

Port, center & starb'd boiler

Seven (7) Saturated steam pipes in smoke boxes wasted renewed.

Cont'd.

Survey fees Completion of B.S. £10- 0- 0

Damage fee ... £50- 0- 0

Expenses... ..

Date when A/c rendered APR. 10. 1958  
LONDON

S.S. "OAKBY"

NAG 256  
(RPTA)

(3)

**Repairs to Damage:** - Stated to have been sustained by negligence in continuing to steam the boilers inefficiently on natural draught thereby causing excessive heat and fire in the uptakes on account due to the break down of the forced draught fan engine on three occasions, (a) 18th June, 1957 aft Panama canal Zone, (b) 14th July 1957 and (c) 17th July 1957 aft Honolulu whilst on a loaded voyage from Norfolk, Virginia to Yawata, Japan.

**Found:** - (1) Boiler uptakes badly buckled and distorted and opened at connections.  
(2) Air Buffle plates outside casing buckled and connections blocken in places.  
(3) Divison plate in side the uptake casing badly buckled.  
(4) All air heater tubes burnt and somewhat wasted.  
(5) Top tube plates of air heater distorted locally.  
(6) Base of inner funnel buckled.

**Now Done:-** Port, center & starb'd boilers

Item (1) All uptake inner casing renewed complete.  
(2) Uptake outer casing (air buffle) part renewed.  
(3) Division plate inside of uptake renewed.  
(4) All air heater tubes renewed.  
(5) Top tube plates faired in place.  
(6) Base of funnel crapped and port renewed.

All saturated steam pipes & superheated steam pipes removed, tested and refitted.

**S.R.L.:-** S. Boiler center nest of air heater tubes and P. boiler starb'd saturated steam pipe renewed at this time.

It is submitted that this item be delated from S.R.L.

LEAVE THIS SPACE BLANK



Not rendered from  
London 17/4



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