

Rpt. 9

Date of writing report 13-6-62.  
Survey held at SINGAPORE.

Received London  
No. of visits 8

Port SINGAPORE.  
First date 25-5-62. Last date 7-6-62. No. 157/3

# REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 32141 Name ~~MAV~~ "STANVAC RIAU" Gross tons 4704 Date of build 7-1937  
Owners LENNOX CORP. Managers - Port of Registry MONROVIA.  
Engines made 7-1937 By N.E. MAR. ENG. CO. LTD. Type T 6Cy.

No. of Main Engines 2 No. of Screws 2  
No. of Main Boilers 2SB. W.P. 225 lb.  
No. of Aux./Donkey Boilers - W.P. -  
Surveyed Afloat or in Dry Dock Both.  
Nature of Survey Dkg. MBS. Gen. Ex. & Comm. ES.  
Was Damage Report issued? No Int. Cert.? Yes  
Last Report (For Head Office only)

Hull		Machinery	
+100AL oil tanker.		+LMC	
Dkg.	5/61	MBS	7/57
SS(Dr).	11/58	TSCLp&s	5/61
		sps.	6/60
			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 Good Wear Down of Stern Bushes Rewooded - Close fit. Oil Glands - Sea Connections Good  
Fastenings Good Has Screwshaft/Tubeshaft been drawn? No YES Date of Examination Not Exd. Has Shaft been changed? No  
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 H.P., I.P. & L.P. Eccentric Straps & Sheaves only - Good. H.P., I.P. & L.P. Eccentric straps and Sheaves only - Good.  
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 Good

25 HOLDING DOWN BOLTS & CHOCKS

26 CONDENSERS (MAIN & AUX) Good

27 STEAM RE-HEATERS

28 DE-SUPERHEATERS

29 STOP & MANOEUVRING VALVES

30 MAIN ENGINE DRIVEN PUMPS

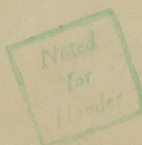
31 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES

Have Main Engines been tested working and manoeuvring? Yes

OPINION OF MACHINERY AND RECOMMENDATIONS The machinery of this vessel, so far as now examined, is in safe working condition and eligible, in my opinion, to remain as Classed with fresh record of MBS 6/62 now and ES (with date) when the survey has been completed.

TUESDAY 14 AUG 1962

Date of Committee Decision as now MBS. 16.62



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Lloyd's Register Foundation

Engineer Surveyor to Lloyd's Register of Shipping

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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	PORT	ELECTRICAL EQUIPMENT	
		STARBOARD	AUXILIARY EQUIPMENT
a Generators.....			l Generators & Governors.....
b Exciters.....			
c Air Coolers.....			m Motors.....
d Motors.....			n Switchboards & Fittings.....
e Air Coolers.....			o Circuit Breakers.....
f Control Gear, Cables, etc.....			p Cables.....
g Insulation Resistance.....			q Insulation Resistance.....
h Insulating Oil Test.....			r Steering Gear Generators and Motors.....
i Overspeed Governors.....			s Navigation Light Indicators.....
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 1-6-62 Good Starboard 31-5-62 Good. ~~AUXILIARY, BONGEX & PRESS~~

Superheaters..... None Fitted.

Safety Valves..... Port and Starboard - Good.

Mountings, Doors & Fastenings..... Port and Starboard - Good.

Safety Valves Adjusted to { Sat. Port and Starboard - 225 lbs.  
Spt.

Boiler Securing Arrangements..... Port and Starboard - Good.

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? Yes Forced Circulating Pumps

Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules? None Fitted. 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 and tear)

Upon measuring the Port and Starboard stern bush wear down the following readings were obtained - Port 1" Starboard 7/32", and rewooding of stern bushes was recommended. This has now been satisfactorily effected and the Owners stated they did not wish screwshaft survey to be carried out at this time.

Port and Starboard Main Engines The metal of the L.P. eccentric straps of both engines was found severely wiped and broken away, the straps have now been remetalled and L.P. sheaves of both engines removed and machined true and all satisfactorily refitted.

Port Main Condenser A total of 110 leaking tubes now satisfactorily renewed

Starboard Main Condenser A total of 210 leaking tubes now satisfactorily renewed.

Cont. 2.....

Survey fees Comm. ES \$120.  
MBS \$288.  
Gen Exam. \$150.

Damage fee ...

Expenses... \$40.

Cable Charge \$86.

Date when A/c rendered 25/6/62

It is submitted that the vessel WILL BE eligible for the record ES (with date) when the survey has been completed, by amendment of all requirements except as far as the 1962 survey is concerned.

It is further submitted that the vessel is eligible for the record ES (with date) after 11/6/62 with approval.

Not for BSR office.

Some tubes in Port boiler plugged.

25/6/62

on the S.S. ~~MS~~ "STANVAC RIAU"

Port Main Boiler A total of 4 leaking side stays in outboard combustion chamber now satisfactorily renewed and a total of 12 severely wasted smoke tubes in outboard furnace satisfactorily plugged meantime, there being no suitable new tubes available. The Owners Representative states the necessary tubes will be placed on order and renewed at Special Survey.

A General Examination for postponement of Special Survey has also now been held and in accordance with requirements of Circular No.1959 the electrical installation has been megger tested and cleared of all faults, the pumping arrangements and the Main Engines have been examined under working conditions and found satisfactory.

As a result of this examination it is submitted the Owners request for postponement of Engine Special Survey until November, 1962 may merit the favourable consideration of the Committee.

Adley

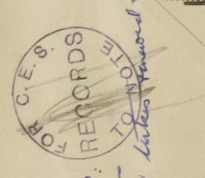
E.S. (due 7/61) Postponement until unspecified time approved 25/5/62 provided G.E. held & ES Com. waived.

E.S. comm. and G.E. held.

MBS. (due 5/62) was held, Mty. Mty.

1. 15. steam engine in - worked. Some condenser tubes plugged.

12. tubes in Port boiler (washed) plugged.



RECORDS DEPT. OF MARINE ENGINEERING SINGAPORE