

Rpt. 9

Date of writing report 11-3-57.

29 MAR 1957

Survey held at Antwerp.

Received London

Port of Antwerp.

No. of visits 6.

First date 8-2-57.

Last date 4-3-57.

No. 12193

## REPORT OF PERIODICAL SURVEYS &amp; REPAIRS OF MACHINERY

No. in R.B. 50156

Name M.V. "TW. Sc. ACCRA"

Gross tons 11600 Date of build 1947

Owners Elder Dempster Lines, Ltd.

Managers

Port of Registry Liverpool.

Engines made dito. By Vickers-Armstrongs Ltd.

Type 2 Oil Engines 2SA.

No. of Main Engines 2 No. of Screws 2

Records of Survey &amp; Special Notations as per Register Book

No. of Main Boilers -- W.P. --

No. of Aux./Donkey Boilers 2 W.P. 120lb.

Surveyed Afloat or in Dry Dock BOTH.

Nature of Survey DKG; TSC; PART LMC. CS. ALTERATIONS.

Was Damage Report issued? -- Int. Cert.? yes.

Last Report (For Head Office only)

Hull		Machinery	
SS.	9/51	OS.	8/52
Dkg.	8/55	d.	6/55
		CL.p	4/53
		s.	10/53.

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.

Now. DOCKING Propellers Good. Wear Down of Stern Bushes REWOODER. CLOSE FIT. P.F.S. Oil Glands -- Sea Connections Good.  
Fastenings Good. Has Screwshaft been drawn? YES. Date of Examination P.F.S. 8-2-57. Has Shaft been changed? STAR YES.  
Has Shaft now fitted been previously used? NO. Has Shaft now examined/fitted a continuous liner? YES. Approved oil gland? --

MAIN ENGINES (Recip. Steam or I.C.)

PORT

STARBOARD

1 Cyls., Covers, Pistons &amp; Rods

2 Valves &amp; Gears

3 Connecting Rods, Side  
Top Ends & Guides Centre4 Crankpins & Bearings, Side  
Centre

5 Journals &amp; Bearings

MAIN ENGINE DRIVEN AIR COMPRESSORS

6 Cyls., Covers, Pistons &amp; Rods

7 Connecting Rods &amp; Top Ends

8 Crankpins &amp; Bearings

9 Journals &amp; Bearings

10 Coolers &amp; Safety Devices

MAIN ENGINE DRIVEN SCAVENGE PUMPS

11 Cyls., Covers, Pistons &amp; Rods

12 Connecting Rods &amp; Top Ends

13 Crankpins &amp; Bearings

14 Journals &amp; Bearings

15 Levers

16 SCAVENGE BLOWERS

17 SUPERCHARGERS

MAIN TURBINES

18 Casings, Rotors, Blading, Bearings &amp; Thrusts

19 EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)

20 STEAM COMPRESSORS

21 CLUTCHES &amp; HYDRAULIC COUPLINGS

22 REDUCTION GEARING

23 THRUST BLOCKS, SHAFTS &amp; BEARINGS

24 INTERMEDIATE SHAFTS &amp; BEARINGS

25 HOLDING DOWN BOLTS &amp; CHOCKS

26 CONDENSERS (MAIN &amp; AUX.)

27 STEAM RE-HEATERS

28 DE-SUPERHEATERS

29 STOP &amp; MANOEUVRING VALVES

30 MAIN ENGINE DRIVEN PUMPS

31 CRANKCASE DOORS &amp; EXPLOSION RELIEF DEVICES

Have Main Engines been tested working and manoeuvring?

OPINION OF MACHINERY AND RECOMMENDATIONS

The Machinery of this vessel, so far as now seen is in good working condition and in my opinion eligible to remain as entered and have a fresh record of F.H.M.C.S. (with date) on completion and fresh record of TSC L P. 2, 57 SN 2, 57 now.

Date of Committee

THURSDAY 2 MAY 1957

Decision

AG 1071  
P.F.S. 2-57

TSC L P. 2, 57

See Lp 1594

Noted  
for  
readerJohn W. O. Hales  
Engineer Surveyor to Lloyd's Register of ShippingLloyd's Register  
Foundation

005258-005268-0161



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	
a Generators.....			1 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.....			

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)

### REPAIRS.

Starboard screw shaft examined and found severely ridged in way of stern gland packing. This shaft was examined with liner removed, when a new liner was being fitted and also on completion of machining new liner.

During the time required to fit new liner on the above shaft, the new starboard screw shaft was fitted to starboard side.

### CONVERSION TO HEAVY OIL BURNING.

All requirements for the above conversion completed as per approved plans.

Additional filling pressure tested and found satisfactory.

(CONTINUED ON FOLLOWER I)

Survey fees TS. by Loko.  
Kpm & det. 7 4000.

Damage fee ...  
Expenses... p. 450.

Date when A/c rendered 26-3-57.

Rpt. 9a

Port of PANTWERP.

Continuation of Report No. 22188 dated 11-5-57.

on the

FOLLOWER I.

"TW. SE. M.V. ACCRA"

The following oil heaters were installed.

Identification.

Starboard Heater.

M.O.T. LLOYDS TESTED 300 lbs. NO 1484.

Port Heater.

M.O.T. LLOYDS TESTED 300 lbs. NO 1486.

Surge pumps and motor drive.

Starboard.

Campbell and Inverwood

NO 51944; H.P. = 2; 220 V.; 8.8 amps; 950/1150 RPM.

Pump LLOYDS TESTED S.O.V. 15-5-56. A.G.P.

Port.

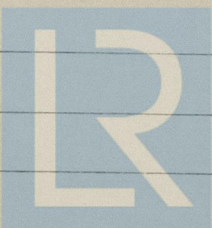
Campbell and Inverwood.

NO 51946; H.P. 2; 220 V.; 8.8 amps; 950/1150 RPM.

Pump LLOYDS TESTED S.O.V. 15-5-56 A.G.P.

On completion of the above installation main engine tested ahead and astern and found satisfactory.

John W. D. Forbes.



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