

15 JUN 1960

Rpt. 9

Date of writing report 23.5.60 Received London Port GLASGOW No. 91409  
Survey held at Bowling No. of visits 1 First date and Last date 19.5.60

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 00435 Name M.V. "AGATE" Gross tons 873 Date of build 1941-3  
Owners Gem Line Ltd. Managers Wm. Robertson Shipowners Ltd. Port of Registry Glasgow  
Engines made 1941 By British Auxiliaries Ltd. Type Oil Engine 2SA 7 cy. 250 x 420  
No. of Main Engines 1 No. of Screws 1

No. of Main Boilers - W.P. -  
No. of Aux./Donkey Boilers - W.P. -  
Surveyed Afloat or in Dry Dock Slipway  
Nature of Survey Docking CS  
Was Damage Report issued? NO Int. Cert.? Yes  
Last Report (For Head Office only)

Records of Survey & Special Notations as per Register Book mm

Hull		Machinery	
+ 100A1	DS 2,59	+ LMC	CS 8,57
	SS 8,57		TSCG 8,58
NS		Oil Engine	

Yes  
NOW

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.

Has a Survey also been held on Ship? If so, is the Report sent now, or when will it be sent?

DOCKING Propellers Good Wear Down of Stern Bushes Not taken Oil Glands - Sea Connections Good  
Fastenings Good Has Screwshaft Tube/shaft 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. 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

MAIN ENGINE DRIVEN SCAVENGE PUMPS  
10 Coolers & Safety Devices  
11 Cyls., Covers, Pistons & Rods  
12 Connecting Rods & Top Ends  
13 Crankpins & Bearings  
14 Journals & Bearings  
15 Levers

SCAVENGE BLOWERS  
16  
SUPERCHARGERS  
17  
MAIN TURBINES  
18 Casings, Rotors, Blading, Bearings & Thrusts

EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)  
19  
STEAM COMPRESSORS  
20  
CLUTCHES & HYDRAULIC COUPLINGS  
21  
REDUCTION GEARING  
22  
THRUST BLOCKS, SHAFTS & BEARINGS  
23  
INTERMEDIATE SHAFTS & BEARINGS  
24  
HOLDING DOWN BOLTS & CHOCKS  
25  
CONDENSERS (MAIN & AUX.)  
26  
STEAM RE-HEATERS  
27  
DE-SUPERHEATERS  
28  
STOP & MANOEUVRING VALVES  
29  
MAIN ENGINE DRIVEN PUMPS  
30  
CRANKCASE DOORS & EXPLOSION RELIEF DEVICES  
31

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 safe working condition and eligible, in my opinion, to remain as classed with fresh record of CS (with date) when the survey has been completed.

Date of Committee GLASGOW 14 JUN 1960  
Decision As now

E. H. Barth  
Engineer Surveyor to Lloyd's Register of Shipping  
(E. H. BARTH)

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If certificate is required state where to be sent.

- 32 Essential Independent Pumps (*Identify by position*) .....
- 33 Edge, 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**

PROPULSION	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 .....			

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

**MAIN** .....

Superheaters .....

Safety Valves .....

Mountings, Doors & Fastenings .....

Safety Valves Adjusted to { Sat. ....  
Spt. ....

Boiler Securing Arrangements .....

Main Economisers .....

Steam Heated Steam Generators .....

Were Oil Burning System & Remote Controls examined working in accordance with Rules? .....

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

**AUXILIARY, DONKEY or PRESS** .....

Exhaust Gas Heated Economisers .....

Steam Generator Safety Valves Adjusted to .....

Forced Circulating Pumps .....

Funnel .....

**EXAMINATION & TESTING OF STEAM PIPES** (*State material*)

Main .....

Were Copper Pipes annealed? .....

Auxiliary (over 3 in. bore) .....

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*)

Minor wear and tear repairs effected.

LEAVE THIS SPACE BLANK

Survey fees .....

Damage fee .....

Expenses .....

Date when A/c rendered .....



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*Handwritten notes:*  
22.2.60  
C. J. H.  
On new  
Method