

Rpt. 9

Date of writing report 10. 4. 54.

Received London 25 JUL 1957

Port Aberdeen.

No. 241

Survey held at Aberdeen.

No. of visits 7

First date 6. 6. 57

Last date 28. 6. 57

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

No. in R.R. 51862 S.S. Archgrove " Gross tons 602 Date of build 1894-5  
Owners G. A. Sheves. Managers - Port of Registry Fraserburgh.  
Engines made 1894 By Muir & Houston. Type 3 Cyl- Tr. EXP.  
No. of Main Engines 1 No. of Screws 1  
No. of Main Boilers 1 SB. W.P. 160  
No. of Aux./Donkey Boilers W.P.  
Surveyed Afloat or in Dry Dock Both.  
Nature of Survey G.E. - T.S.  
Was Damage Report issued? No Int. Cert.? Yes.  
Last Report (For Head Office only)

Hull		Machinery	
+ 100 A I.	12-56	+LMC	
S S Pet	7-53	E.S.	7-53
		MBS.	9-56
		TS. (C L)	6-53
		+NB	3/28
NS		N. D.	

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 Close-Rewooded On Glands Sea Connections Not Exam'd  
Fastenings Good Has Screwshaft/Tubeshaft been drawn? Yes Date of Examination 21-6-57 Has Shaft been changed? Yes  
Has Shaft now fitted been previously used? No Has Shaft now examined/fitted a continuous liner? Yes Approved oil gland? No  
MAIN ENGINES (Recip. Steam or I.C.) PORT STARBOARD  
1 Cyls., Covers, Pistons & Rods MP. - Good  
2 Valves & Gears MP. - Good  
3 Connecting Rods, Side All - Good  
Top Ends & Guides Centre  
4 Crankpins & Side All - Good  
Bearings \* Centre All - Good  
5 Journals & Bearings All - Good  
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 Good  
23 THRUST BLOCKS, SHAFTS & BEARINGS Good  
24 INTERMEDIATE SHAFTS & BEARINGS Good  
25 HOLDING DOWN BOLTS & CHOCKS Not Examined  
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? No

OPINION OF MACHINERY AND RECOMMENDATIONS  
This vessel's machinery, so far as now seen, is eligible in my opinion to remain as now Classed and to have fresh record T.S. (C.L.). N. 6-57.

Date of Committee GLASGOW 23 JUL 1957  
Decision T.S. (C.L.) N. 6-57 As now without spl. cond.  
2m 3.55. T. (MADE AND PRINTED IN ENGLAND.)

Engineer Surveyor to Lloyd's Register of Shipping

Noted for order

If certificate is required state where to be sent



1 Independent Pumps (Identify by position)

2 Ballast & Oil Fuel Suction Lines, Fittings & Controls

3 Have the remaining Piping Arrangements & Fittings in the machinery space been examined as considered necessary?

4 Fresh Water Coolers

5 Lub. Oil Coolers

6 Heaters (state service)

7 Independent Air Compressors, Coolers & Safety Devices

8 Air Receivers & Safety devices—Main

9 Auxiliary

10 Oil Fuel Tanks (Not forming part of hull structure)

11 Evaporators

12 Have Evaporator Safety Valves been tested under steam?

13 Steering Machinery

14 Windlass

15 Fire Extinguishing Arrangements

AUXILIARY ENGINES (Identify by position)

#### ELECTRICAL EQUIPMENT

PROPULSION

PORT

STARBOARD

AUXILIARY EQUIPMENT

16 Generators

17 Exciters

18 Air Coolers

19 Motors

20 Air Coolers

21 Control Gear, Cables, etc.

22 Insulation Resistance

23 Insulating Oil Test

24 Overspeed Governors

25 Magnetic Couplings

26 Air Gap

27 Generators & Governors

Good

28 Motors

29 Switchboards & Fittings

Good

30 Circuit Breakers

31 Cables

Good

32 Insulation Resistance

Good

33 Steering Gear, Governors and Motors

34 Navigation Light Indicators

Not Examined.

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)

W & T. Repairs now effected:-

Screwshaft placed in lathe for renewal of liner; liner removed and shaft found to be corroded and wasted at forward end of liner; shaft machined in way of wastage but corrosion-fatigue fractures were still evident below Rule diameter.

Shaft and liner now renewed as per Aberdeen Cert No. 381 herewith.

Steam bush withdrawn, re-wooded bored to suit new shaft, and refitted.

Crankshaft lifted; all main bearings re-metalled and bedded in position.

General examination for postponement of S. S.

Main engine and auxiliaries generally examined; electrical installation megger tested and earths rectified. Chief Engineer stated that all parts were operating satisfactorily.

It is submitted that the Owner's request to defer the Special Survey of the Machinery until the end of December 1957 may receive the Committee's favourable consideration.

LEAVE THIS SPACE BLANK

Survey fees

G. E. £5-0-0

T.S. £3-0-0

Damage fee

Expenses

£3-3-0

Date when A/c rendered

LR-FAP-TB4-72

without special condition,  
TSCL (M) 6-57 &  
ES 6-57 on completion

6 AUG 1957

