

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 & REPAIRS OF MACHINERY

No. in R.R. 51862 Name 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.

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

DOCKING Propellers **Good** Wear Down of Stern Bushes **Close- Rewooded** 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, Top Ends & Guides	Side: All - Good Centre: All - Good	
4 Crankpins & Bearings	Side: All - Good 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

23 THRUST BLOCKS, SHAFTS & BEARINGS **Good**

24 INTERMEDIATE SHAFTS & BEARINGS

25 HOLDING DOWN BOLTS & CHOCKS **Good**

26 CONDENSERS (MAIN & AUX.) **Not Examined**

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.
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 Ice, Ballast & Oil Fuel Suction Lines, Fittings & Controls

3 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

1 Generators

2 Exciters

3 Air Coolers

4 Motors

5 Air Coolers

6 Control Gear, Cables, etc.

7 Insulation Resistance

8 Insulating Oil Test

9 Overspeed Governors

10 Magnetic Couplings

11 Air Gap

1 Generators & Governors

Good

2 Motors

3 Switchboards & Fittings

Good

4 Circuit Breakers

5 Cables

Good

6 Insulation Resistance

Good

7 Steering Gears, Governors and Motors

8 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.

Steering 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.

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

6 AUG 1957



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