

11 JUL 1958

Rpt. 9

Date of writing report June, 1958 Received London Port FALMOUTH No. 13268  
Survey held at Falmouth Docks No. of visits 14 First date 2nd May Last date 3rd July, 1958

# REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 08655 Name M.V. "ECHODALE" Gross tons 8212 Date of build 1941 - 3  
Owners The Admiralty Managers - Port of Registry London  
Engines made 1941 By Hawthorn, Leslie & Co. Ltd. Type Oil Engine 4SA 8cy.

No. of Main Engines 1 No. of Screws 1  
No. of Main Boilers - W.P. -  
No. of ~~AK~~/Donkey Boilers 1 W.P. 180 lbs:  
Surveyed Afloat or in Dry Dock Drydock  
Nature of Survey part CS, DBS & TS  
Was Damage Report issued? No Int. Cert.? Yes  
Last Report (For Head Office only)

Records of Survey & Special Notations as per Register Book

Hull	Machinery
*100 Al	*LMC-CS 7.55
5.57	d 5.57
ss. Nwc. (DR) 7.55	TS(CL) 5.57
	SPS 7.55
Carrying Petroleum in Bulk	Oil Engine

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 fit ~~YOU GLASS~~ Sea Connections  
Fastenings good Has Screwshaft ~~TESTED~~ been drawn? yes Date of Examination 12 June Has Shaft been changed? yes  
Has Shaft now fitted been previously used? No Has Shaft now examined/fitted a continuous liner? yes Approved Oil brand?

MAIN ENGINES (Recip. ~~SCREW~~ OR I.C.) ~~PORT~~ STARBOARD  
1 Cyls., Covers, Pistons & Rods Nos. 3 & 4 - good  
2 Valves & Gears Nos. 3 & 4 - good  
3 Connecting Rods, Top Ends & Guides ~~Starboard~~ Centre Nos. 3 & 4 - good  
4 Crankpins & Bearings ~~Starboard~~ Centre Nos. 3 & 4 - good  
5 Journals & Bearings Nos. 3, 4, 5, 9 & 10 - 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

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 good  
24  
HOLDING DOWN BOLTS & CHOCKS  
25  
CONDENSERS (MAIN & AUX.) † good  
26

STEAM RE-HEATERS  
27  
DE-SUPERHEATERS  
28 P.T.O.

STOP & MANOEUVRING VALVES  
29  
MAIN ENGINE DRIVEN PUMPS Fuel - good, fresh water, sea water, lub oil, bilge and sanitary - all good  
30

CRANKCASE DOORS & EXPLOSION RELIEF DEVICES Have Main Engines been tested working and manoeuvring?  
31

OPINION OF MACHINERY AND RECOMMENDATIONS The machinery of this vessel as now seen is in good condition, eligible in my opinion to remain as classed with fresh record of DBS 7.58, TSN (CL) 6.58 and CS (with date) when the survey is completed, subject to auxiliary condenser forward water end casting and both end covers to be renewed by June, 1959 (12 months limit).

Date of Committee THURSDAY 31 JUL 1958  
Decision *As now, subject*

40m, 4.57. T. (MADE AND PRINTED IN ENGLAND) DBS 7.58 TS. N. 6.58

© 2020 Lloyd's Register Foundation  
D.S. ELLIOTT  
Engineer Surveyor to Lloyd's Register of Shipping

002583-002591-0175

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

If certificate is required, state where to be sent.

32 Essential Independent Pumps (Identify by position) Both (F&A) oil fuel unit pumps - good, stand by sea water circulating pump (psf) - good, ballast pump (fwd) - good.

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 JW - good 36 Lub. Oil Coolers good 37 Heaters (state service) both oil fuel - good

38 Independent Air Compressors, Coolers & Safety Devices Diesel and steam (ps inboard and outboard) - good. FORCED DRAUGHT FAN ENGINE - good

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 good 45 Windlass 46 Fire Extinguishing Arrangements B.R. - good

AUXILIARY ENGINES (Identify by position)

Steam generator (ss) - good

PROPULSION	PORT	STARBOARD	ELECTRICAL EQUIPMENT	AUXILIARY EQUIPMENT
a Generators				l Generators & Governors steam generator (ss) - good
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 good
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 good, examined internally 6th May, 1958

Superheaters

Safety Valves good

Mountings, Doors & Fastenings good

Safety Valves Adjusted to { Sat. 180 lbs: per sq. inch  
Spl.

Boiler Securing Arrangements good

Main Economisers Exhaust Gas Heated Economisers

Steam Heated Steam Generators X Steam Generator Safety Valves Adjusted to X

Were Oil Burning System & Remote Controls examined working in accordance with Rules? yes, good Forced Circulating Pumps

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

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)

WEAR & TEAR REPAIRS:- Donkey boiler mountings examined, main stop valve seat loose, new seat fitted, safety valve chest (ss) wasted under seat landings, valve chest electric welded, heat treated, hydraulically tested and tight, new valves and seats fitted and safety valves adjusted under steam.

Propeller blade tips eroded and broken off, blades reconditioned, metal fused on to blade tips and blades dressed and polished by "Manganese Bronze & Co."

Tailshaft examined liner found to be ridged in way of packing, spare shaft efficiently fitted, stern tube rewooded and propeller fit tried and in order, replacement shaft marked thus:- F4295 LLOYDS<sup>9123</sup> HAI 25.6.40 P 22.8.40 LP. and original shaft held on board as spare.

Intermediate shaft bearing wiped; bearing remetalled machined and refitted.

Main engine No.3 bottom end bearing wiped and cracked, bearing remetalled and machined.

Main attached pumps, centre driving shaft examined, couplings slack and keyway worn. New mild steel shaft made and fitted to coupling.

LEAVE THIS SPACE BLANK

CONDITION OF CLASS:- Auxiliary condenser examined forward water end casting and both end covers found to be wasted and graphitised. It is recommended auxiliary condenser forward water end casting and both end covers to be renewed by June, 1959 (12 months limit).

Survey fees	CS	£46:0:0
	CS re-exam & Rprs	£10:0:0
	DBS	£ 8:0:0
	TS	£ 7:0:0
Damage fee	...	...
Expenses...	...	...

Date when A/c rendered 9th July 1958

