

Rpt. 9

Date of writing report 14th July, 1958.

Received London

Port M A L M Ö

No. 3792.

Survey held at KARLSKRONA

No. of visits 8

First date 24th Jan.

Last date 27th June, 1958.

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 08985 Name M.V. "ELDAREN" Gross tons 508 Date of build 1938-8 mo.
Owners Government of Sweden Managers Kungl. Marinförvaltningen Port of Registry Stockholm.
Engines made 1938 By Humboldt-Deutzmot., Köln-Deutz. Type Oil Eng. 4 SA 8 cyl. 280 x 450 mm.
No. of Main Engines - No. of Screws One
No. of Main Boilers - W.P. -
No. of ~~Donkey~~/Donkey Boilers One W.P. 100 lbs.
Surveyed Afloat or in Dry Dock Both
Nature of Survey Docking, DBS, sps., Pt. ES.
Was Damage Report issued? No Int. Cert.? Yes, copy attached.
Last Report (For Head Office only)

Records of Survey & Special Notations as per Register Book

| Hull | Machinery |
|-------------------------------|------------------|
| *100A1 Carrying Petr. in Bulk | *LMC 4.55 |
| 2.57 | M 2.57 |
| ssKkr. (Dr) = 4.55 | Steam pipes 2.55 |
| 1 dk. | |
| Butts of keel EW. | |

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 ~~XX~~ Good Wear Down of Stern Bushes - Oil Glands Good Sea Connections Good
Fastenings Good Has Screwshaft Tubeshaft 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.) ~~XX~~ ~~STARBOARD~~
1 Cyls., Covers, Pistons & Rods All - Good
2 Valves & Gears All - Good
3 Connecting Rods, Top Ends & Guides ~~XX~~ All - Good
4 Crankpins & Bearings ~~XX~~ All - Good
5 Journals & Bearings All - Good
MAIN ENGINE DRIVEN AIR COMPRESSOR ~~XX~~
6 Cyls., Covers, Pistons & Rods Good
7 Connecting Rods & Top Ends Good
8 Crankpins & Bearings Good
9 Journals & Bearings Good
10 Coolers & Safety Devices Good
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 ~~XX~~ Good
25 HOLDING DOWN BOLTS & CHOCKS Good
26 CONDENSERS (MAIN & AUX.)
27 STEAM RE-HEATERS
28 DE-SUPERHEATERS
29 STOP & MANŒUVRING VALVES Good
30 MAIN ENGINE DRIVEN PUMPS All - Good
31 CRANKCASE DOORS ~~XX~~ Good Have Main Engines been tested working and manœuvring? No.

OPINION OF MACHINERY AND RECOMMENDATIONS The machinery of this ship, as far as now surveyed, is eligible in my opinion to remain as classed in the Register Book with fresh record of DBS 4.58, sps 4.58 and ES with date when the survey has been completed.

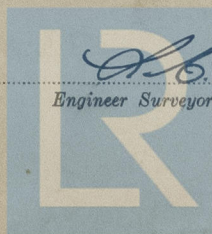
Date of Committee TUESDAY 12 AUG 1958

Decision As now

50m, 6, 56. T. (MADE AND PRINTED IN ENGLAND.)

DBS 3.58

Sps 4.58



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Engineer Surveyor to Lloyd's Register of Shipping

Lloyd's Register Foundation

011047-011056-0065

If certificate is required state where to be sent. Malmö Office, when survey completed.

32 Essential Independent Pumps (Identify by position) All - Good.

33 Bilge, Ballast & Oil Fuel Suction Lines, Fittings & Controls Good

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

35 Fresh Water Coolers 36 Lub. Oil Coolers Good 37 Heaters (state service)

38 Independent Air Compressors, Coolers & Safety Devices Good

39 Air Receivers & Safety devices—Main Good 40 Auxiliary

41 Oil Fuel Tanks (Not forming part of hull structure) Good

42 Evaporators 43 Have Evaporator Safety Valves been tested under steam? —

44 Steering Machinery Good 45 Windlass Good 46 Fire Extinguishing Arrangements Good

AUXILIARY ENGINES (Identify by position) Forward Port Side - Good

Aft " " - Good

| | | ELECTRICAL EQUIPMENT | |
|------------------------------|------|----------------------|--|
| PROPULSION | PORT | STARBOARD | AUXILIARY EQUIPMENT |
| a Generators | | | l Generators & Governors |
| b Exciters | | | m Motors Good |
| c Air Coolers | | | n Switchboards & Fittings Good |
| d Motors | | | o Circuit Breakers Good |
| e Air Coolers | | | p Cables Good |
| f Control Gear, Cables, etc. | | | q Insulation Resistance Good |
| g Insulation Resistance | | | r Steering Gear Generators and Motors Good |
| h Insulating Oil Test | | | s Navigation Light Indicators Good |
| 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 & PORTES~~ Good. 24th January, 1958.

Superheaters Good

Safety Valves Good

Mountings, Doors & Fastenings Good

Safety Valves Adjusted to { Sat. 100 lbs. per sq. inch.

{ Spt. Good

Boiler Securing Arrangements Exhaust Gas Heated Economisers

Main Economisers Steam Generator Safety Valves Adjusted to Yes Forced Circulating Pumps

Were Oil Burning System & Remote Controls examined working in accordance with Rules? Yes Funnel Good

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

EXAMINATION & TESTING OF STEAM PIPES (State material)

Main Auxiliary (over 3 in. bore) Good

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 effected due to wear and tear:-

- 1) No. 7 cylinder cover renewed (cracked). Nos. 2 & 8 cylinder liners renewed (worn).
- 23) All pads remetalled (worn).
- 32) The cooling water pump body renewed and hydraulically tested to 4 kg/cm².

To complete E.S.:-

The bilge system to be tried under working conditions.

The aux. engines to be tried under working conditions and generators to be run in parallel and circuit breakers tried.

The main engine to be tested working and manoeuvring.

Note:-

This vessel is now laid up for an unlimited period, as now stated by the Owners.

LEAVE THIS SPACE BLANK

Survey fees Kr. 960:-

Elec. inst. " 200:-

Damage fee

Expenses...

Date when A/c rendered 14th July, 1958.

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