

8 APR 1960

4 APR 1960

Rpt. 9

Date of writing report 23.3.60 Received London Port **Åbo** No. 251  
Survey held at **Åbo Docks** No. of visits 1 First date & Last date 16.3.60

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

*Sup 65277*

No. in R.B. 15289 S.S. **INGERÖIS** Gross tons 2172 Date of build 1909  
Owners **Lovisa Rederi A/B** Managers **A/B R. Nordström & Co Oy** Port of Registry **Lovisa**  
Engines made By **Richardsons, Westgarth** Type **T 3 Cy**  
No. of Main Engines 1 No. of Screws 1  
No. of Main Boilers 2 W.P. 180 lb  
No. of Aux./Donkey Boilers W.P.  
Surveyed Afloat or in Dry Dock **Afloat**  
Nature of Survey **Part MBS**  
Was Damage Report issued? Int. Cert.? **Yes**  
Last Report (For Head Office only)

*24 Åbo*

Hull	Machinery
BS	MBS
SS (Dr) 2/57	ES 2/57
DS 1/59	MBS 1/59
	TS CL 1/59
	SPS 1/59

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	Wear Down of Stern Bushes	Oil Glands	Sea Connections
Fastenings	Has Screwshaft Tubeshaft been drawn?	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			
1 Cyls., Covers, Pistons & Rods			
2 Connecting Rods & Top Ends			
3 Crankpins & Bearings			
4 Journals & Bearings			
5 Coolers & Safety Devices			
MAIN ENGINE DRIVEN SCAVENGE PUMPS			
1 Cyls., Covers, Pistons & Rods			
2 Connecting Rods & Top Ends			
3 Crankpins & Bearings			
4 Journals & Bearings			
5 Levers			
SCAVENGE BLOWERS			
SUPERCHARGERS			
MAIN TURBINES			
1 Casings, Rotors, Blading, Bearings & Thrusts			
EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)			
STEAM COMPRESSORS			
CLUTCHES & HYDRAULIC COUPLINGS			
REDUCTION GEARING			
THRUST BLOCKS, SHAFTS & BEARINGS			
INTERMEDIATE SHAFTS & BEARINGS			
LOADING DOWN BOLTS & CHOCKS			
CONDENSERS (MAIN & AUX.)			
STEAM RE-HEATERS			
SUPERHEATERS			
STEAM & MANOEUVRING VALVES			
MAIN ENGINE DRIVEN PUMPS			
LINKCASE DOORS & EXPLOSION RELIEF DEVICES			
Have Main Engines been tested working and manoeuvring?			

CONDITION 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 MBS 12.59 when the survey is completed, subject to all outstanding conditions of class being dealt with as previously recommended

TUESDAY 26 APR 1960

*Deferred for comp MBS subject*

OF Committee

T. (MADE AND PRINTED IN ENGLAND)

Noted

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Engineer Surveyor to Lloyd's Register of Shipping

D.S. Elliott

Lloyd's Register Foundation

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32 Essential Independent Pumps (Identify by position)
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
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)

Table with 4 columns: PROPULSION, PORT, STARBOARD, AUXILIARY EQUIPMENT. Rows include Generators, Exciters, Air Coolers, Motors, Control Gear, Cables, etc., Insulation Resistance, Insulating Oil Test, Overspeed Governors, Magnetic Couplings, Air Gap, and various auxiliary equipment items like Generators & Governors, Motors, Switchboards & Fittings, etc.

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. 180 lbs/sq.in Starbd., boiler only.
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)
Previous recommendation
Conditions of Class - To complete Survey:- Starbd main boiler, main aft end plates grooving in way of flangeing; port combustion chamber back plate bulging between stays & lower longitudinal stay, slight radial grooving for'd end plate, all to be specially examined & dealt with as necessary by Sept., 60 6 mos. limit.

MBS 12.59 when Port M.B. lowest stay bolt, backrow of the S.S. wrapper plate of the S.S. combustion chamber to RNW.
Nothing done at this time.

Repairs required
Class Sustained 12.60
Cable Sp.
Rmt.

LEAVE THIS SPACE BLANK

Survey fees MBS 3.000:-
Damage fee ...
Expenses... 300:-

Date when A/c rendered

