

Rpt. 9

Date of writing report 6-11-56

Received London

26 NOV 1956

Port of Rotterdam

No. 42374

Survey held at Rotterdam

No. of visits 10

First date 29-9-56

Last date 30-10-56

# REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 65725 Name S.S. "KAISANIEMI"  
Owners Etela Suomen Laiva Oy Managers  
Engines made 1940 By Ottenbacher Eisenwerk Type MN (330)

No. of Main Engines No. of Screws Gross tons 2079 Date of build 1940

No. of Main Boilers 2 W.T. W.P. 235 16 Spt 225 16 Port of Registry Helsingfors

No. of Aux./Donkey Boilers W.P. Hull Machinery

Surveyed Afloat or in Dry Dock Afloat LMC 6155

Nature of Survey Builder repairs BS 6155

Was Damage Report issued? Int. Cert.? Yes TS CL 6155

Last Report (For Head Office only) SS B.h.n. 6155 SPS 6155

Records of Survey & Special Notations as per Register Book

5399 HFS

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

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

EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)

STEAM COMPRESSORS

CLUTCHES & HYDRAULIC COUPLINGS

REDUCTION GEARING

THRUST BLOCKS, SHAFTS & BEARINGS

INTERMEDIATE SHAFTS & BEARINGS

HOLDING DOWN BOLTS & CHOCKS

CONDENSERS (MAIN & AUX.)

STEAM RE-HEATERS

DE-SUPERHEATERS

STOP & MANOEUVRING VALVES

MAIN ENGINE DRIVEN PUMPS

CRANKCASE DOORS & EXPLOSION RELIEF DEVICES

Have Main Engines been tested working and manoeuvring?

OPINION OF MACHINERY AND RECOMMENDATIONS

The machinery of this vessel is in good condition and eligible in my opinion to remain as classed without fresh record of survey.

FRIDAY 30 DECEMBER 1956

Date of Committee Decision As above, without spl. cdn.

30m. 5.54. T.

Noted for Header

Engineer Surveyor to Lloyd's Register of Shipping

Lloyd's Register Foundation

009139-009143-0159



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).....  
.....  
.....

		ELECTRICAL EQUIPMENT	
PROPULSION	PORT	STARBOARD	AUXILIARY EQUIPMENT
a Generators.....			l Generators & Governors.....
b Exciters.....			
c Air Coolers.....			m Motors.....
d Motors.....			
e Air Coolers.....			n Switchboards & Fittings.....
f Control Gear, Cables, etc.....			o Circuit Breakers.....
g Insulation Resistance.....			p Cables.....
h Insulating Oil Test.....			q Insulation Resistance.....
i Overspeed Governors.....			r Steering Gear Generators and Motors.....
j Magnetic Couplings.....			s Navigation Light Indicators.....
k Air Gap.....			

BOILERS OPENED UP & EXAMINED (Identify by position and state latest date of internal examination of each boiler)  
MAIN *Port 12-12-56 Starbd 24-10-56* AUXILIARY, DONKEY or PRESS.....  
Superheaters.....  
Safety Valves.....  
Mountings, Doors & Fastenings *Mountings not opened up.*  
Safety Valves Adjusted to { Sat. *Not done*  
Spt. *Not done*  
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)  
*Attended on board this vessel at request of Owners representatives in order to examine the furnaces of both main boilers. Found port furnace of port boiler slightly set down. All furnaces of the starboard boiler were found badly distorted. On internal examination of the boilers only sediment was found on the furnaces and at the water level. Repairs were carried out: Both boilers internally thoroughly cleaned. Of each boiler a number of superheater elements removed for internal examination. Headers, elements found free from oil. Port furnace of port boiler jacked up. All furnaces of starboard boiler removed, boiler hydraulically tested on completion of repairs and found tight. Birmingham certificate N° C. 21037 of new furnaces attached to this report. A new cascade feed water filter tank of improved design has now been fitted. Windlass repairs, recommended by Halsbury Surveyors 14-12-56, had been carried out. Same now examined and found good.*



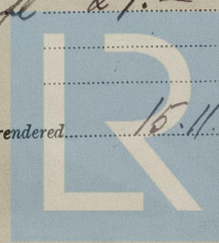
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Survey fees .....

Damage fee *fl 200.-*

Expenses... *fl 29.-*

Date when A/c rendered *15.11.56*



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