

Rpt. 9

Date of writing report 5.6.61
 Survey held at Lübeck

Received London
 No. of visits 3

Port H A M B U R G No. 10591
 First date 24.5.61 Last date 26.5.61

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 79311 Name T.S. " M O D A L " Gross tons 10720 Date of build 1945
 Owners I/S Modal Managers Torvald Klaveness Port of Registry Oslo
 Engines made 1945 By General Electric Co. Type Steam Turbine connected to elec. motor
 No. of Main Engines 1 No. of Screws 1
 No. of Main Boilers 2 W.P. 500 lb/sq.inch
 No. of Aux./Donkey Boilers - W.P. 480 lb/sq.inch
 Surveyed Afloat or in Dry Dock both
 Nature of Survey Screwshaft Survey
 Was Damage Report issued? - Int. Cert. YES
 Last Report (For Head Office only)

Records of Survey & Special Notations as per Register Book

Hull	Machinery
100 A1	LMC 10/57
oil tanker	MBS 11/59
DS 10/59	TSCL 9/57
SS 10/57	s.p.s. 10/57

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 2.8 mm Oil Glands - Sea Connections good
 Fastenings good Has Screwshaft Tubeshaft been drawn? yes Date of Examination 26.5.61 Has Shaft been changed? NO
 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

- Cyls., Covers, Pistons & Rods
- Valves & Gears
- Connecting Rods, Top Ends & Guides
 - Side
 - Centre
- Crankpins & Bearings
 - Side
 - Centre
- Journals & Bearings

MAIN ENGINE DRIVEN AIR COMPRESSORS

- Cyls., Covers, Pistons & Rods
- Connecting Rods & Top Ends
- Crankpins & Bearings
- Journals & Bearings
- Coolers & Safety Devices

MAIN ENGINE DRIVEN SCAVENGE PUMPS

- Cyls., Covers, Pistons & Rods
- Connecting Rods & Top Ends
- Crankpins & Bearings
- Journals & Bearings
- Levers

SCAVENGE BLOWERS

SUPERCHARGERS

MAIN TURBINES

- 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, where now seen, is in efficient condition and eligible in my opinion to remain as now classed with fresh record of TSCL 5.61, subject to upper nest of air preheater tubes in stbd. boiler being renewed and boiler not being used in the meantime as previously recommended.

Date of Committee TUESDAY 27 JUN 1961
 Decision As now, subject

{ MBS record withheld }
 TS " "



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Engineer Surveyor to Lloyd's Register of Shipping

Foundation

010519-010525-0108

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)
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)

PROPULSION		ELECTRICAL EQUIPMENT	
PORT	STARBOARD		AUXILIARY EQUIPMENT
a Generators			l Generators & Governors
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
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
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)

Docking:- Repairs to sea connections effected, where found necessary.

On forward key way end of propeller shaft found small surface cracks. The key way spooned out and polished, and on completion of polishing, the shaft examined by means of fluorescence test and found sound.

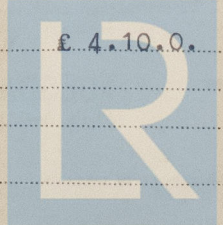
Note:- This vessel is now sold to Pen Line, will be converted to an ore carrier and the Class will be transferred to American Bureau of Shipping.



LEAVE THIS SPACE BLANK

Survey fees	...	T SCL £ 8. 0. 0.
Docking	...	£ 5. 10. 0.
Repair charge fee	...	£ 3. 10. 0.
Expenses...	...	£ 4. 10. 0.

Date when A/c rendered



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