

Rpt. 9

Date of writing report 13/8/62

Survey held at LE HAVRE

Received London

No. of visits 4

Port LE HAVRE

First date 10/8/62

No. 10439

Last date 16/8/62

# REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R. 14 174 Name M.V. HENRIK DANICA

Owners H.H. ANDERSEN & Co, A/S

Managers H.H. ANDERSEN

Gross tons 473 Date of build 1952-7

Engines made 1952 By MASCH. KIEL A.G. Kiel

Port of Registry COPENHAGEN

No. of Main Engines 1 No. of Screws 1

Type Oil engine 4SA 6cy.

No. of Main Boilers - W.P. -

No. of Aux./Donkey Boilers - W.P. -

Surveyed Afloat or in Dry Dock dry-dock

Nature of Survey damage & TS(OG)

Was Damage Report issued? yes Int. Cert. yes, copy attached.

Last Report (For Head Office only)

Records of Survey & Special Notations as per Register Book

Hull	Machinery
+100A1 str.nav.ice	+LMC
SS 10.57	Eng. 10.57
DS 4.61	TS(OG) 9.60

yes

now

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 1mm Oil Glands good Sea Connections good

Fastenings good Has Screwshaft Tubeshaft been drawn? yes Date of Examination 11/8/62 Has Shaft been changed? no

Has Shaft now fitted been previously used? - Has Shaft now examined/fitted a continuous liner? no Approved oil gland? yes

MAIN ENGINES (Recip. Steam or I.C.)

PORT

STARBOARD

1 Cyls., Covers, Pistons & Rods

2 Valves & Gears

3 Connecting Rods, Side  
Top Ends & Guides 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

19 EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)

20 STEAM COMPRESSORS

21 CLUTCHES & HYDRAULIC COUPLINGS

22 REDUCTION GEARING

23 THRUST BLOCKS, SHAFTS & BEARINGS

24 INTERMEDIATE SHAFTS & BEARINGS

25 HOLDING DOWN BOLTS & CHOCKS

26 CONDENSERS (MAIN & AUX.)

27 STEAM RE-HEATERS

28 DE-SUPERHEATERS

29 STOP & MANOEUVRING VALVES

30 MAIN ENGINE DRIVEN PUMPS

31 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES

OPINION OF MACHINERY AND RECOMMENDATIONS The machinery of this ship, so far as now seen is eligible in my opinion, to remain as classed with a fresh record of TS(OG) 8/62.

Have Main Engines been tested working and manoeuvring?

Date of Committee

Decision

TUESDAY 25 SEP 1962

As now subject  
TS 8.62

50m,4,59 T. (MADE AND PRINTED IN ENGLAND)

Engineer Surveyor to Lloyd's Register of Shipping  
P.L. ROBERT,

003487-003494-0237



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	PORT	STARBOARD	ELECTRICAL EQUIPMENT	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)

Damage stated sustained as a result of the vessel grounding at LAESO on the 16th May 1962.

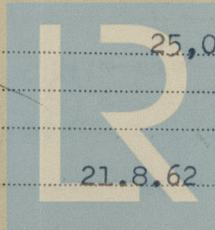
FOUND	RECOMMENDED
Tail shaft & Sterntube bush slightly grooved.	Tail shaft to be drawn for examination, magnaflux and tested in the lathe.
Oil gland bush grooved.	Tailshaft and sterntube bush to be skimmed
Rubber packing joints worn	Oil gland bush and packing to be renewed. (Simplex type)

LEAVE THIS SPACE BLANK

Survey fees Damage NF 240.00
special attend. NF 70.00

Damage fee
Expenses 25.00

Date when A/c rendered 21.8.62



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Foundation