

Rpt. 9

Date of writing report 28-3-1960 Received London Amsterdam Port Amsterdam No. 23366  
Survey held at Amsterdam No. of visits 9 First date 3-3-1960 Last date 21-3-1960

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 13733 Name M.V. "HAVSBORG" Gross tons 3087 Date of build 9-1935  
Owners Leonards Rederier Managers Joh. Leonard Port of Registry Landskrona  
Engines made Mmo By Kockums M/V A/B Type oil eng. 2 DA 6 Cy

No. of Main Engines 1 No. of Screws 1  
No. of Main Boilers - W.P. -  
No. of ~~Donkey~~ Donkey Boilers 2 W.P. 171 lb  
Surveyed Afloat or in Dry Dock both  
Nature of Survey Cond; adv. CS; DBS; repairs  
Was Damage Report issued? no Int. Cert.? yes  
Last Report (For Head Office only)

Records of Survey & Special Notations as per Register Book

Table with 2 columns: Hull and Machinery. Hull entries include 100 A 1 (Dr) 9/54, SS 5/59, oil tanker, d 5/59. Machinery entries include LMC, eng. CS 5/59, boil. d. 5/59, TSCI 5/59, Sps 6/57.

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 4, 5 mm Sea Connections good
Fastenings good Has Screwshaft 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.) PORT STARBOARD
1 Cyls., Covers, Pistons & Rods no. 3 good; no. 6 †
2 Valves & Gears no. 3 and 6 good
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 good
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 Have Main Engines been tested working and manoeuvring?

OPINION OF MACHINERY AND RECOMMENDATIONS

The machinery of this vessel being in good condition, the vessel is in my opinion eligible to be continued as classed with record CS with date when completed and DBS 3-60 now, without any special notation regarding ME no. 5 starboard column and ME no. 4 top cylinder cover and subject to ME no. 5 top cylinder cover and ME no. 6 top and bottom cylinder covers being specially examined and dealt with as necessary by March 1961 (12 mos limit).

Date of Committee THURSDAY 12 MAY 1960
Decision As above subject Abs 3/60

Noted for Header

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Engineer Surveyor to Lloyd's Register of Shipping
Lloyd's Register Foundation

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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) .....

		ELECTRICAL EQUIPMENT	
PROPULSION	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** .....

Port 5-3-60 good starbd 11-3-60 good

**Superheaters** ..... all good

**Safety Valves** ..... all good

**Mountings, Doors & Fastenings** ..... all to 171 lbs

Safety Valves Adjusted to { Sat. ....

{ Exp. ....

**Boiler Securing Arrangements** ..... all good

**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? ..... yes ..... Forced Circulating Pumps .....

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

**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)

CS advanced. DBS completed.

Now done for wear and tear. ME no.3 cylinder liner replaced by spare on account of excessive wear.

Examined ME no.6 top and bottom cylinder covers and found small crack in way of valve pockets. Crack top cover metalocked. Nothing done to crack in bottom cover. Both covers were considered efficient for the present, but it was recommended to have same specially examined and dealt with as necessary by March 1961 (12 mos limit).

SRL ME no.5 starbd column metalocked in way of forwd side of top flange, no.4 and 5 topcylinder covers to be specially examined by June 1960.

Now done. Examined above items and found ME no.5 starbd column and ME no.4 topcylinder cover good. In my opinion these items may be deleted from the SRL and transferred to the appendix of the SRL.

Examined ME no.5 top cylinder cover. Found metalock repairs good, but found another small crack in way of a valve pocket. Nothing done to this crack. The cover was considered efficient for the moment, but it was recommended to have same specially examined and dealt with as necessary by March 1961 (12 mos limit).

LEAVE THIS SPACE BLANK

Survey fees	...	
CS	f. 140,--	
DBS	" 160,--	
Repairs	" 120,--	
Damage fee	...	-
Expenses...	" 14,--	

Date when A/c rendered 22/4/1960

