

15 MAY 1960

Rpt. 9

Date of writing report 5.5.1960. Received London Port of Stockholm No. 12538. Survey held at Stockholm No. of visits 4 First date 8.4.60 Last date 20.4.1960.

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 42611 Name M.V. "HELGA SMITH" Gross tons 2089 Date of build Lch. 1944 Cmd. 7-1945 Owners And. Smith Rederi A/B Managers Anders Smith Port of Registry Stockholm Engines made 1944 By Eriksbergs M/V A/B, Gothenburg Type Oil Engine

No. of Main Engines 1 No. of Screws 1 No. of Main Boilers - W.P. - No. of Donkey Boilers 1 W.P. 100 lb Surveyed Afloat or in Dry Dock Afloat Nature of Survey REPAIRS AND CS Was Damage Report issued? - Int. Cert.? Yes Last Report (For Head Office only)

Records of Survey & Special Notations as per Register Book

Table with 2 columns: Hull, Machinery. Hull entries: +100AL with freeboard 11.59, SS 9.57, EW Str.nav. ice. Machinery entries: +LMC/CS/9.57, DBS 8.59, TS (CL) 9.57, +Lloyd's RMC.

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
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, so far as now seen, is in good condition and eligible, in my opinion, to remain as now classed with fresh record of CS, with date, when the survey is complete, subject to any outstanding conditions of class being dealt with as previously recommended.

TUESDAY 31 MAY 1960

Date of Committee Decision As show

Signature: L. H. Angstrom, Engineer Surveyor to Lloyd's Register of Shipping

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) Starboard F.O. Transfer - Good.

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 See remarks 36 Lub. Oil Coolers Starboard - Good 37 Heaters (state service)

38 Independent Air Compressors, Coolers & Safety Devices

39 Air Receivers & Safety devices—Main Port - Good 40 Auxiliary

41 Oil Fuel Tanks (Not forming part of hull structure) Starboard daily service - Good.

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) Port forward outboard (See remarks).

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

The following new machinery items were fitted at this time:-

Port forward outboard auxiliary diesel generating set. 145 kW

Engine:- NOHAB Type K 55 E No. 1431. LLOYDS CERT. GOT. 27814.

Generator:- Electromekano Type DS 92. No. 1147386. Stamped LLOYDS GOT. 18.3.60.

The set was examined under full working conditions, governor, overload and reverse current trips all tested and found satisfactory.

The main motor was fitted with a fresh water cooling system with the following new items fitted in the starboard aft corner of the engine room.

2 off Fresh Water Coolers. Stamped LLOYDS GOT. 16.3.60 EJ.

2 off Fresh water circ. pumps Nos. 111726-7. Got. cert. Nos. 27757, 27759.

The system was tested and found satisfactory.

A new independent air compressor (port aft) was also installed but was not ready for testing when the vessel sailed and the Chief Engineer stated that this would be arranged for in Åbo or Gothenburg.

LEAVE THIS SPACE BLANK

Survey fees Kr. 180:--

Late Fee Kr. 70:--

Damage fee

Expenses... Kr. 14:--

Date when A/c rendered 5.5.1960.



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