

Rpt. 9

Date of writing report 2.7.59
Survey held at Tilbury

Received London

24 JUL 1959

Port

LONDON

No.

140694

No. of visits 3

First date 27.6.59

Last date 29.6.59

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 13972 S.S. "HELICINA" Gross tons 12167 Date of build 10.1946
Owners Shell Petroleum Co. Ltd Managers - Port of Registry London
Engines made 1946 By British Thompson Houston Co. Type 2 steam turbines connected to elec. motor and screwshaft.
No. of Main Engines - No. of Screws -
No. of Main Boilers 3 WTB W.P. 450 lbs. Spt 440 lbs Hull
No. of Aux./Donkey Boilers 1 W.P. 150 lbs. +100A1 Oil Tanker 9.58 +IMC CS. 10.55
Surveyed Afloat or in Dry Dock Both S.S. Nwc. 10.55 MBS. 9.58
Nature of Survey Docking Survey & Cond'n. of TS. CL. 9.56
Was Damage Report issued? No Int. Cert.? Yes Class. SPS 10.55
Last Report (For Head Office only) OF. 10.56

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 Not taken Oil Glands - Sea Connections -
Fastenings Good Has Screwshaft Tubeshaft been drawn? No Date of Examination - Has Shaft been changed? No
Has Shaft now fitted been previously used? - Has Shaft now examined/fitted a continuous liner? - Approved oil gland? No

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 ship as now seen is eligible in my opinion to remain as classed without fresh record of survey and without special conditions regarding starboard Main Generator Condenser, Starboard circulating pump and auxiliary boiler but subject to p & s low and high main injection valve chests being specially examined at N.S.S. and to any other outstanding conditions of class being dealt with as previously recommended.

Date of Committee WEDNESDAY 12 AUG 1959

Decision

40m, 4.67. T. (MADE AND PRINTED IN ENGLAND)

Noted for Header

005269-005279-0056

Engineer Surveyor to Lloyd's Register of Shipping

B. O. GIBBS.

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Lloyd's Register Foundation

If certificate is required state where to be sent

32 Essential Independent Pumps (Identify by position)

Starboard Circulating Pump. - 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

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

AUXILIARY, DONKEY or PRESS

Superheaters

Safety Valves

Mountings, Doors & Fastenings

Safety Valves Adjusted to { Sat.
Spt.

Boiler Securing Arrangements

Main Economisers

Steam Heated Steam Generators

Exhaust Gas Heated Economisers

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)

CONDITIONS OF CLASS:- Starboard Main Generator Condenser - All stay nuts overhauled and rejointed. Condenser tested on completion and found satisfactory. It is submitted that this item may now be deleted from SRL.

Starboard Circulating Pump - New ramature and impeller shaft fitted. Impeller machined and new sealing rings fitted. Pump tried under working conditions and found satisfactory. It is submitted that this item may now be deleted from SRL.

Auxiliary Boiler - examined under working conditions and found satisfactory. It was stated by Owner's superintendent that the fracture in centre furnace had been cut out and welded in Rotterdam, and that this repair had been examined by the Surveyors. A satisfactory hydraulic test was subsequently carried out. In view of this statement and the examination now carried out it is submitted that the item dealing with the Auxiliary Boiler may now be deleted from SRL.

P & S. High and low main injection valves - not dealt with at this time. It was stated that the ship was now being laid up in Blackwater River and that before being again placed into service, special Survey would be carried out.

LEAVE THIS SPACE BLANK

Survey fees ...

Condn. of Class £15.0.0d.

Damage fee ...

Expenses... ..

Date when A/c rendered 2.1 JUL 1959