

Rpt. 9

Date of writing report 2.7.59  
Survey held at Tilbury

Received London 24 JUL 1959  
No. of visits 3

Port LONDON No. 140694  
First date 27.6.59 Last date 29.6.59

# REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 13972 Name 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.

Records of Survey & Special Notations as per Register Book		Hull	Machinery
No. of Main Engines	No. of Screws		
No. of Main Boilers 3 WTB	W.P. 450 lbs. Spt 440 lbs	+100AL Oil Tanker 9.58	+IMC CS. 10.55
No. of Aux./Donkey Boilers 1	W.P. 150 lbs.	S.S. Nwc. 10.55	MBS. 9.58
Surveyed Afloat or in Dry Dock Both			TS.CL. 9:56
Nature of Survey Docking Survey & Condn. of			SPS 10.55
Was Damage Report issued? No	Int. Cert.? Yes		
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.) Stbd. Generator Condenser - Good (test 1)
- 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 As now subject

Noted for Header



005269-005279-0056

B. O. GIBBS.

If so, is the Report sent now, or when will it be sent?

If certificate is required state where to be sent

Starboard Circulating Pump. - Good

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

Table with columns: PROPULSION, PORT, STARBOARD, AUXILIARY EQUIPMENT. Rows include Generators, Exciters, Air Coolers, Motors, Control Gear, Cables, etc., Insulation Resistance, Insulating Oil Test, Overspeed Governors, Magnetic Couplings, 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
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)

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 armature 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

