

Rpt. 9

Date of writing report 12th Dec. 1959

Received London

Port FALMOUTH

No. 13655

Survey held at King Harry Ferry, River Fal

No. of visits 7

First date 1 Nov.

Last date 4th Dec. 1959

# REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.E. 04937 Name M.V. "BRITISH GENIUS" Gross tons 8560 Date of build 1939 - 1

Owners BP Tanker Co. Ltd. Managers - Port of Registry London

Engines made 1939 By Wm. Doxford & Sons Ltd. Type Oil Engine 2S 4cy

No. of Main Engines 1 No. of Screws 1

No. of Main Boilers none W.P.

No. of AHE/Donkey Boilers 2 W.P. 150 lbs

Surveyed Afloat or in Dry Dock afloat

Nature of Survey CS, DBS

Was Damage Report issued? No Int. Cert. Yes

Last Report (For Head Office only)

Records of Survey & Special Notations as per Register Book

Hull	Machinery
*100 Al	*LMC-CS 6,57
3,58	DBS 3,58
ss 6,57	TS(CL) 3,58
	SPS 6,57
	Oil Engine

13204 - Fal

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  I.C.  PORT  STARBOARD

1 Cyls., Covers, Pistons & Rods ..... No. 3 good

2 Valves & Gears .....

3 Connecting Rods, Top Ends & Guides Side No. 3 good

Centre No. 3 good

4 Crankpins & Bearings Side No. 3 good

Centre No. 3 good

5 Journals & Bearings Nos. 3 & 4 good

### MAIN ENGINE DRIVEN AIR COMPRESSORS

1 Cyls., Covers, Pistons & Rods .....

2 Connecting Rods & Top Ends .....

3 Crankpins & Bearings .....

4 Journals & Bearings .....

5 Coolers & Safety Devices .....

### MAIN ENGINE DRIVEN SCAVENGE PUMPS

1 Cyls., Covers, Pistons & Rods .....

2 Connecting Rods & Top Ends .....

3 Crankpins & Bearings .....

4 Journals & Bearings .....

5 Levers .....

### SCAVENGE BLOWERS

1 SUPERCHARGERS .....

### MAIN TURBINES

1 Casings, Rotors, Blading, Bearings & Thrusts .....

### EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)

1 STEAM COMPRESSORS .....

2 CLUTCHES & HYDRAULIC COUPLINGS .....

3 REDUCTION GEARING .....

4 THRUST BLOCKS, SHAFTS & BEARINGS .....

5 INTERMEDIATE SHAFTS & BEARINGS .....

6 HOLDING DOWN BOLTS & CHOCKS .....

7 CONDENSERS (MAIN & AUX) .....

8 STEAM RE-HEATERS .....

9 DE-SUPERHEATERS .....

10 STOP & MANOEUVRING VALVES .....

11 MAIN ENGINE DRIVEN PUMPS .....

12 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES ..... Have Main Engines been tested working and manoeuvring? .....

OPINION OF MACHINERY AND RECOMMENDATIONS The machinery of this vessel as seen is in good condition

and eligible in my opinion to remain as classed with fresh records of CS with date when

the survey has been completed and DBS 12,59 when the defective tubes in the Port donkey

boiler have been renewed.

THURSDAY 31 DEC 1959

Date of Committee Decision As new subject

3,58 T. (MADE AND PRINTED IN ENGLAND) (DBS record withheld)

Noted Header

© 2020 Engineer Surveyor to Lloyd's Register of Shipping T.L. PALMER

Lloyd's Register 002449-002450-0119

If certificate is required state where to be sent

32 Essential Independent Pumps (Identify by position) ..... Aux jacket cooling (ME); Sanitary/bilge; Ballast; all 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 ..... Inboard and steam engine - good

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) ..... Oil engine good

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 P&S good. Latest date internal examination 13th Nov. 1959

Superheaters ..... none

Safety Valves ..... good

Mountings, Doors & Fastenings ..... good

Safety Valves Adjusted to { Sat. .... 150 lbs.  
Spt. .... -

Boiler Securing Arrangements ..... 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, good Forced Circulating Pumps

Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules? none 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)

REPAIRS - Wear & Tear

Main Engine - Crankshaft 'dog leg' coupling - two bolts found broken and renewed. Remainder checked for tightness and found good.

Auxiliary Oil Engine - camshaft drive gear wheel and lubricating oil pump drive gear wheel renewed.

Auxiliary Jacket cooling pump (ME) - New bucket rings fitted.

(Port) Donkey Boiler - Several tubes in wing furnaces and approximately 50 tubes in centre gas pass re expanded to make tight. Gauge column lower breast cock extension piece renewed in brass and marked - 300 lbs. 23-11-59 TP. Boiler subjected to hydraulic test on completion of repairs and found tight. On raising steam several tubes found to be leaking and stoppers were fitted. It was stated that vessels commitments did not allow for renewing of defective tubes at this time.



(Stbd) Donkey Boiler - 8 screwed combustion chamber stays renewed (2 inner wing, 2 centre, 4 outer wing on bottom rows). It was stated by Chief Engineer that boiler was subjected to hydraulic test on completion of repairs and found tight.

Survey fees CS £31:0:0  
DBS £16:0:0

Damage fee  
Expenses... £2.12.0

Date when A/c rendered 14th Dec. 1959

