

Rpt. 9 /R.

Date of writing report

Survey held at

North Shields

Received London

8 JAN 1957

Port

NEWCASTLE-ON-TYNE

No.

114024

No. of visits

29

First date

23-10-56

Last date

17-12-56

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 54452 Name M.V. "BRITISH LANCER" Ex "EMPIRE WORDSWORTH" Gross tons 8889 Date of build 9-1942

Owners B.P. Tanker Co., Ltd. Managers - Port of Registry London

Engines made 9-1942 By Hawthorn Leslie Co., Ltd. Type Oil Eng. 4SA 8Cyl. 650x1400mm

No. of Main Engines 1 No. of Screws 1 Workspeer.

No. of Main Boilers - W.P. -

No. of Aux. Boilers 2 W.P. 180Lbs.Sq."

Surveyed Afloat or in Dry Dock Both

Nature of Survey Dkg.Comp.of C.S. Boiler Install. Carrying petroleum in

Was Damage Report issued? No Int. Cert.? Yes

Last Report (For Head Office only)

S.S. 11.52 Shl. Dkg. 12.55

Hull Machinery

+100 A.L. +LMC

C.S. 11.52

d 1.56

C.L. 3.55

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 0.125" Oil Glands - Sea Connections Good

Fastenings Good Has Screwshaft 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? -

MAIN ENGINES (Recip. or I.C.)

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

20 FUEL OIL SYSTEMS

21 FUEL OIL SYSTEMS

22 FUEL OIL SYSTEMS

23 FUEL OIL SYSTEMS

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26 FUEL OIL SYSTEMS

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32 Essential Independent Pumps (Identify by position) O.F. Transfer, O.F. Pressure Unit. Aft. Feed. Ballast, Forward Pump Room. O.F. Transfer. Forward Pump Room. Standby S.W. Cooling. All Good.

33 Bilge, Ballast & Oil Fuel Suction Lines, Fittings & Controls Good

34 Have the remaining Piping Arrangements & Fittings in the machinery space been examined as considered necessary? Yes

35 Fresh Water Coolers 36 Lub. Oil Coolers 37 Heaters (state service) Feed & Oil Fuel - Good & Coolers and safety devices - Good

38 Independent Air Compressors, Coolers & Safety Devices

39 Aft Receivers & Safety devices - Main Good

40 Oil Fuel Tanks (Not forming part of hull structure) Good

41 Evaporators 42 Have Evaporator Safety Valves been tested under steam? Good

43 Steering Machinery 44 Windlass 45 Fire Extinguishing Arrangements Good

AUXILIARY ENGINES (Identify by position)

Forced draught fan engine - Good.

PROPULSION		ELECTRICAL EQUIPMENT	
PORT	STARBOARD		AUXILIARY EQUIPMENT
a Generators		1 Generators & Governors	Good
b Exciters		m Motors	Good
c Air Coolers		n Switchboards & Fittings	Good
d Motors		o Circuit Breakers	Good
e Air Coolers		p Cables	Good
f Control Gear, Cables, etc.		q Insulation Resistance	Good
g Insulation Resistance		r Steering Gear Generators and Motors	-
h Insulating Oil Test		s Navigation Light Indicators	Good
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

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 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)

NEW BOILER INSTALLATION:-

The Owner's decided, at this time, to remove the existing three auxiliary boilers (one wat tube, two vertical) and install two new cylindrical boilers.

NOW DONE:- Existing boilers and part of the steam pipe range removed. New boiler seating and fastening arrangements examined and found in good order. New boilers securely fixed board and fitted to burn oil fuel (F.P. above 150°F) in accordance with Chapter E Section of the Rules. The boilers were subsequently examined under steam, the safety Valves adjusted at the working pressure of 180lbs.Sq. inch, easing gear fitted, and accumulation tests satisfactorily carried out. The previously removed steam piping completely renewed in copper pipe. Galvanised steam smothering, piping fitted in accordance with Rule requirements.

INTERMEDIATE BEARINGS:-

Found wiped, now reinstalled.

MAIN ENGINE THRUST:-

Clearance found excessive 135/1000". Thrust pads did not appear to

Continued on page

Survey fees Comp. of C.S. £17 - 0 - 0

New Blr. Install. £15 - 0 - 0

New Mch. Install. £10 - 0 - 0

Install. of new Gens. £10 - 0 - 0

Damage fees Elect. S. £12 - 0 - 0

Expenses...

Date when A/c rendered

pt. 9a

ort of

NEWCASTLE-ON-TYNE.

Continuation of Report No.

114024

dated

17-12-56

on the

M.V. "BRITISH LANCER"

Page 3 Continued.

MAIN ENGINE THRUST:-

(Continued).

greatly worn. Liner fitted to give 35/1000" clearances. Eight checks found slack now renewed. Fifteen holding down bolts found slack, new renewed.

MAIN ENGINE DRIVEN PUMPS:-

The Owner's decided at this time to replace the existing S.W.; F.W.; and L.O. pump units complete. It was stated that the pumps gave a poor performance under working conditions. The new pumps were satisfactorily installed and subsequently seen under working conditions. Test certificates covering the pumps, which were stamped as follows:- sighted

Salt Water:- Stothart and Pitt S8001

Fresh Water:- Stothart and Pitt S8003

Lub. Oil:- Stothart and Pitt P429

20K.W. GENERATOR SET:-

The existing 20K.W. set has been removed complete and replaced by one of 33 K.W.(Steam). The 33 K.W. set has been satisfactorily installed, tried under working conditions and found in good order.

FOUND STAMPED:-

Sunderland Forge. Eng. No.66102, Dynamo No.66103, Sunderland Report C7653 sighted.

75 K.W. DIESEL GENERATOR SET:-

The entablature of the existing diesel engine found extensively fractured. It was decided at this time to remove the diesel engine and its generator complete, and send to the makers for reconditioning, after which to be held in the Owner's stock.

A complete new 75K.W. diesel unit has been installed, tried under working conditions and found in good order.

FOUND STAMPED:-

Mirlees Engine No. 39052

Campbell and Isherwood Dynamo No.46631

L.R. Certificate sighted.

ELECTRICAL SURVEY:-

Complete installation meggar tested and faults made good as found necessary. All motors cleaned, examined and found or placed in good order. Minor cable lengths renewed as found necessary.

CIRCULAR 2032:-

Complied with.

R.P. Langed J.H. Wright

SURVEYOR TO LLOYD'S REGISTER.
NEWCASTLE-ON-TYNE.



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Foundation

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