

15 MAR 1961

Rpt. 9

Date of writing report 8/2/61.

Received London

Port Hull.

No. 66636

Survey held at Hull.

No. of visits 3.

First date 1/12/60

Last date 8/2/61.

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 54667 Name S.S. "BOWMAN" (Tug). Gross tons 55 Date of build 1943
Owners United Towing Co. Ltd. Managers - Port of Registry Hull.
Engines made Sld. By N.E. Marine Eng. Co. (1938). Type Compound. 2 cyl.
No. of Main Engines 1 No. of Screws 1
No. of Main Boilers 1 W.P. 140 lb.
No. of Aux./Donkey Boilers - W.P. -
Surveyed Afloat or in Dry Dock Both.
Nature of Survey DS, TSOG, SPS & Comm. MBS.
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
*Al tug River & harbour services 4,59	*LMC 4,58
s.s. 5,58	MBS 4,59
	TSOG 9,57
	SPS 7,54
Reclassified 7,54	

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 // 30/1000" Oil Glands/ Good. Sea Connections No.
Fastenings Good. Has Screwshaft/Tubeshaft been drawn? Yes. Date of Examination 1/12/60 Has Shaft been changed?
Has Shaft now fitted been previously used? Has Shaft now examined/fit a continuous liner? No. Approved oil gland? Yes.

MAIN ENGINES (Recip. Steam or I.C.)

PORT

STARBOARD

- Cyls., Covers, Pistons & Rods
- Valves & Gears
- Connecting Rods, Top Ends & Guides Side
Centre
- Crankpins & Bearings Side
Centre
- Journals & Bearings

MAIN ENGINE DRIVEN AIR COMPRESSORS

- Cyls., Covers, Pistons & Rods
- Connecting Rods & Top Ends
- Crankpins & Bearings
- Journals & Bearings
- Coolers & Safety Devices

MAIN ENGINE DRIVEN SCAVENGE PUMPS

- Cyls., Covers, Pistons & Rods
- Connecting Rods & Top Ends
- Crankpins & Bearings
- Journals & Bearings
- Levers

SCAVENGE BLOWERS

SUPERCHARGERS

MAIN TURBINES

- Casings, Rotors, Blading, Bearings & Thrusts

EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)

STEAM COMPRESSORS

CLUTCHES & HYDRAULIC COUPLINGS

REDUCTION GEARING

THRUST BLOCKS, SHAFTS & BEARINGS

INTERMEDIATE SHAFTS & BEARINGS

HOLDING DOWN BOLTS & CHOCKS

CONDENSERS (MAIN & AUX.)

STEAM RE-HEATERS

DE-SUPERHEATERS

STOP & MANOEUVRING VALVES

MAIN ENGINE DRIVEN PUMPS

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 how seen is eligible in my opinion to remain as classed and have fresh record of TSOG 12,60 and SPS 2,61 now and MBS 2,61 when the Survey has been completed.

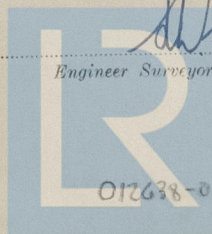
Date of Committee

Decision

30m,6,55. T. (MADE AND PRINTED IN ENGLAND.)

SPS 2.61

Engineer Surveyor to Lloyd's Register of Shipping



Lloyd's Register Foundation

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	
PROPULSION	PORT	STARBOARD	AUXILIARY EQUIPMENT
a Generators			l Generators & Governors
b Exciters			m Motors
c Air Coolers			n Switchboards & Fittings
d Motors			o Circuit Breakers
e Air Coolers			p Cables
f Control Gear, Cables, etc.			q Insulation Resistance
g Insulation Resistance			r Steering Gear Generators and Motors
h Insulating Oil Test			s Navigation Light Indicators
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 Sole 1/12/60, good. ~~AUXILIARY DUNGEON COMPRESS~~
~~Superheaters~~
Safety Valves Good.
Mountings, Doors & Fastenings Good.
Safety Valves Adjusted to Sat. Not adjusted.
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~~ ~~Forced Circulating Pumps~~
~~Have Submerged Steam Pipes in Cylindrical Boiler Smoke Boxes been examined as required by Rules~~ Funnel Efficient.

EXAMINATION & TESTING OF STEAM PIPES (State material)

Main Steel H.T. 300 lb/sq.inch. Good. Auxiliary (over 3 in. bore) None.
~~Were Copper Pipes examined~~ ~~Have Submerged 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)

WEAR & TEAR REPAIRS:- Boiler front end plate found grooved in radius of flange for part furnace mouth, grooving vee'd out, further examined, found satisfactory, repaired by E.W.

TO COMPLETE THE M.B.S:- The safety valves remain to be adjusted under steam.

NOTE:- The vessel is at present laid up at this port for the winter season and the Owners Superintendent states that the MBS will be completed before the vessel is returned to service.

LEAVE THIS SPACE BLANK

Survey fees ... T.S. £3.
MBS. £8.
SPS 13.

Damage fee ...
Expenses... ..

Date when A/c rendered



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