

Rpt. 9

Date of writing report 17th April, 1957

Survey held at Chester, Pa.

Received London

No. of visits Four

Port PHILADELPHIA, PA.

No. 10665

First date 2nd Apr. 1957

Last date 13th Apr. 1957

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 53720 Name M.V. "BIDWELL"

Owners Sun Oil Co.

Gross tons 6837 Date of build 1920

Managers

Port of Registry Phila., Pa.

Engines made 1920 By Sun SB & DD Co., Chester, Pa.

Type Doxford

No. of Main Engines 1 No. of Screws 1

No. of Main Boilers - W.P. -

No. of ~~Donkey~~ Boilers 1 W.P. 200 lb.

Surveyed Afloat or in Dry Dock Both

Nature of Survey CS

Was Damage Report issued? - Int. Cert. Yes

Last Report (For Head Office only)

Records of Survey & Special Notations as per Register Book

Hull	Machinery
100A1	1/56 *LMC CS 4/54
SS Phl.	4/53 +NE 23
(Dr.)	5/45 d 1/57
	CL 1/55
Carrying Petroleum in bulk.	

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 Propeller Good Wear Down of Stern Bushes 3/16" ~~ON 3/16"~~ Sea Connections Good

Fastenings Good Has Screwshaft/Tubeshaft been drawn? No Date of Examination - Has Shaft been changed? -

Has Shaft now fitted been previously used? - Has Shaft now examined/fitted a continuous liner? - ~~Approved by class~~MAIN ENGINES ~~(Type of I.C.)~~

PORT

STARBOARD

1 Cyls., Covers, Pistons & Rods GOOD

2 Valves & Gears GOOD

3 Connecting Rods, Side GOOD

Top Ends & Guides Centre GOOD

4 Crankpins & Side GOOD

Bearings Centre GOOD

5 Journals & Bearings GOOD

~~MAIN ENGINE DRIVEN AIR COMPRESSORS~~~~1 Air Compressor~~~~2 Air Compressor~~~~3 Air Compressor~~~~4 Air Compressor~~~~5 Air Compressor~~

MAIN ENGINE DRIVEN SCAVENGE PUMPS

11 Cyls., Covers, Pistons & Rods GOOD

12 Connecting Rods & Top Ends GOOD

13 Crankpins & Bearings GOOD

14 Journals & Bearings GOOD

15 Levers GOOD

~~16 Scavenge Pumps~~~~17 Superheaters~~~~MAIN TURBINES~~~~18 Turbine, Rotors, Housing, Bearings & Frame~~~~19 Exhaust Steam Turbines (with recip. engines)~~~~20 Steam Compressors~~~~21 Compressors & Overhauling Equipment~~~~22 Reduction Gearing~~

23 THRUST BLOCKS, SHAFTS & BEARINGS GOOD

24 INTERMEDIATE SHAFTS & BEARINGS GOOD

25 HOLDING DOWN BOLTS & CHOCKS GOOD

26 CONDENSERS (MAIN & AUX.) GOOD

~~27 Steam Cooled Heat Exchangers~~~~28 Oil Superheaters~~~~29 Stop & Manoeuvring Valves~~~~30 Main Engine Driven Pumps~~

31 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES GOOD

Have Main Engines been tested working and manoeuvring? YES

OPINION OF MACHINERY AND RECOMMENDATIONS The machinery of this vessel is eligible, in my opinion, to remain as classed and to have record of CS 4/57.

Date of Committee NEW YORK MAY 8 1957

Decision E.S. 4.57

CERTIFICATE WRITTEN

Engineer Surveyor to Lloyd's Register of Shipping

009689-009696-0207

If certificate is required state where to be sent.

32 Essential Independent Pumps (Identify by position) Port Side - F.O.pumps, Feed pumps, Circ.pump, condensate pump, Stbd. Side - F.W.Circ.pumps, F.W.cooling pump, F.O.transfer pumps, Fire & G.S.pump, Bilge

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

GOOD

36 Lub. Oil Coolers

GOOD

37 Heaters (state service)

GOOD (F.O.)

38 Independent Air Compressors, Coolers & Safety Devices

GOOD

40 Auxiliary

GOOD

39 Air Receivers & Safety devices—Main

GOOD

41 Oil Fuel Tanks (Not forming part of hull structure)

Permanently removed.

42 Evaporators

GOOD

43 Windlass

GOOD

46 Fire Extinguishing Arrangements

GOOD

44 Steering Machinery

GOOD

AUXILIARY ENGINES (Identify by position)

2 after engine room - one (diesel driven) starboard engine room.

		ELECTRICAL EQUIPMENT	
PROPULSION		PORT	STARBOARD
a Generators			
b Exciters			
c Air Coolers			
d Motors			
e Air Coolers			
f Control Gear, Cables, etc.			
g Insulation Resistance			
h Insulating Oil Test			
i Overspeed Governors			
j Magnetic Couplings			
k Air Gap			
		AUXILIARY EQUIPMENT	
l Generators & Governors			GOOD
m Motors			GOOD
n Switchboards & Fittings			GOOD
o Circuit Breakers			GOOD
p Cables			GOOD
q Insulation Resistance			GOOD
r Navigation Light Indicators			GOOD

BOILERS OPENED UP & EXAMINED (Identify by position and state latest date of internal examination of each boiler)

MAIN

Superheaters

Safety Valves

Mountings, Doors & Fastenings

Safety Valves Adjusted to { Sat. Spt.

Boiler Securing Arrangements

Main Economisers

Steam Heated Steam Generators

Were Oil Burning System & Remote Controls examined working in accordance with Rules?

Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules?

EXAMINATION & TESTING OF STEAM PIPES (State material)

Main

Were Copper Pipes annealed?

Exhaust Gas Heated Economisers

Steam Generator Safety Valves Adjusted to

Forced Circulating Pumps

Funnel

GOOD

PARTICULARS OF DEFECTS & REPAIRS, ETC. (Damage repairs should be detailed separate from wear and tear repairs; state what action has been taken regarding are subjects of class)

REPAIRS (WEAR & TEAR) NOW DONE:-

All (4) cylinder liners renewed. Lower section of main denser retubed.

Other minor repairs effected.

LEAVE THIS SPACE BLANK

Survey fees CS \$580.00
Aux. Ele c. Equip. 95.00

Damage fee 10.00
Expenses...

Date when A/c rendered 17 April, 1957