

Rpt. 9

Date of writing report 16 Jan., 1958  
Survey held at Marcus Hook, Pa.

Received London  
No. of visits Two

Port PHILADELPHIA, PA. No. 10797  
First date 10 Jan., Last date 13 Jan., 1958

# REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 54167 Name M.V. "BIDWELL" Gross tons 6837 Date of build 1920  
Owners Sun Oil Co. 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 Aux/Donkey Boilers 1 W.P. 200 lb.  
Surveyed Afloat or in Dry Dock afloat  
Nature of Survey Donkey Boiler Survey.  
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                      | 4/57 | *LMC      | 4/57 |
| SS Phl. (Dr.)              | 4/57 | d         | 1/57 |
|                            |      | CL        | 1/55 |
|                            |      | Stm. pps. | 4/53 |
| Carrying Petroleum in bulk |      | *NE       | 23   |

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 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 is eligible, in my opinion, to remain as classed with fresh record of DBS 1/58.

Date of Committee Decision  
As now. DBS 1/58

NEW YORK JAN 29 1958

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Lloyd's Register  
Engineer Surveyor to Lloyd's Register of Shipping

009689-009696-0200



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

GOOD

**AUXILIARY ENGINES** (*Identify by position*).

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

MAIN

~~AUXILIARY~~ DONKEY & PRESS Eng. Rm. Jan. 10. 1958

## Superheaters

## Safety Valves

## Mountings, Doors & Fastenings

Safety Valves Adjusted to { Sat.  
Spt.

## Boiler Securing Arrangements

### Main 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)

Survey fees .\$. 50.00

Damage fee

*Expenses...*

Date when A/c rendered. 20 Jan., 1958

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Foundation