

Rpt. 9

Date of writing report April 24, 1958

Survey held at Rogers City, Mich

REC'D NEW YORK
Received London 23 MAY 1958 Port Cleveland, Ohio

No. of visits 1

First date Feb. 26th

No. 1948
Last date Feb. 26th, 58

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 05655 S.S. "CARL D. BRADLEY" Gross tons 10028 Date of build 7/1927
Name ~~U. S. Steel Corp~~ Owners U. S. Steel Corp Managers Bradley Transportation Corp Port of Registry New York
Engines made 1927 By General Electric Co Type Steam Turb. conn. to Elec. Motor
No. of Main Engines 1 No. of Screws 1
No. of Main Boilers 2 W.P. 450
No. of Aux./Donkey Boilers W.P.
Surveyed Afloat or in Dry Dock Afloat
Nature of Survey Annual Boiler
Was Damage Report issued? No Int. Cert.? No
Last Report (For Head Office only)

Records of Survey & Special Notations as per Register Book

| Hull | Machinery |
|----------------------------|-----------|
| *100 A1 For Service on the | *LMC 3.53 |
| Great Lakes. | *ND 3.50 |
| SS Clv. 3.53 | BS 2.57 |
| Docking 5.57 | TS 7.54 |
| | Sp 2.54 |

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..... 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
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.....
19 EXHAUST STEAM TURBINES (WITH RECIP. ENGINES).....
20 STEAM COMPRESSORS.....
21 CLUTCHES & HYDRAULIC COUPLINGS.....
22 REDUCTION GEARING.....
23 THRUST BLOCKS, SHAFTS & BEARINGS.....
24 INTERMEDIATE SHAFTS & BEARINGS.....
25 HOLDING DOWN BOLTS & CHOCKS.....
26 CONDENSERS (MAIN & AUX.).....
27 STEAM RE-HEATERS.....
28 DE-SUPERHEATERS.....
29 STOP & MANOEUVRING VALVES.....
30 MAIN ENGINE DRIVEN PUMPS.....
31 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES..... Have Main Engines been tested working and manoeuvring?.....

OPINION OF MACHINERY AND RECOMMENDATIONS

The machinery of this vessel where seen, is in good safe working order and eligible in my opinion, to be continued as now classed with fresh record of BS 2.58 being made in the Register Book.

Date of Committee

Decision

30m, 5.54. T.

NEW YORK

MAY

1958

Noted for Header

Engineer Surveyor to Lloyd's Register of Shipping

003056-003064-0253

1948
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)

| PROPULSION | | ELECTRICAL EQUIPMENT | |
|------------------------------|-----------|----------------------|---------------------------------------|
| 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 Port & Starboard - Good

AUXILIARY, DONKEY or PRESS

Internal examination Feb. 26th, 1958

Superheaters Good

Safety Valves Good

Mountings, Doors & Fastenings Good

Safety Valves Adjusted to { Sat. 450 lbs
Spr 425 lbs

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 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)

ANNUAL BOILER SURVEY: The two (2) main boilers were examined internally and externally, together with manhole doors and fastenings. Principal boiler mountings examined as far as practicable, all found in good order. The boilers and main steam pipes were hydrostatically tested to 1-1/2 times the working pressure and safety valves adjusted under steam, in the presence of the United States Coast Guard Inspectors.

W & T REPAIRS: Inlet pass air heater tubes renewed both boilers.

Superheater tubes renewed both boilers.

Five screen tubes per boiler removed for access to above and renewed.

Survey fees \$75.00

Damage fee

Expenses...

\$52.00

Date when A/c rendered

4/24/58