

Rpt. 9

Date of writing report April 24, 1958

REC'D NEW YORK

Received London 23 MAY 1958 Port Cleveland, Ohio

No. 1948

Survey held at Rogers City, Mich

No. of visits 1

First date Feb. 26th

Last date Feb. 26th, 58

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 05655 S.S. Name "CARL D. BRADLEY" Gross tons 10028 Date of build 7/1927

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

Records of Survey & Special Notations as per Register Book

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)

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

1884 - CLV

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 NEW YORK MIAT 1958

Decision As now. MBS 2.58.

30m, 5, 54. T.

Noted for Header

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J.D. Wallace
Engineer Surveyor to Lloyd's Register of Shipping
003056-003064-0253

Has a Survey also been held on Ship? If so, is the Report sent now, or when will it be sent?

If certificate is required state where to be sent.

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		AUXILIARY EQUIPMENT	
PORT	STARBOARD	PORT	STARBOARD	PORT	STARBOARD
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 Port & Starboard - Good
 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.

29 MAY 1958
 LEAVE THIS SPACE BLANK
 WSM
 [Handwritten signature]

Survey fees \$75.00

Damage fee

Expenses... \$52.00

Date when A/c rendered 4/24/58

