

Rpt. 8(L)

REPORT OF SURVEY ON SHIPS CLASSED FOR GREAT LAKES AND ASSOCIATED SERVICES

Received London
19 SEP 1963

Ship's Name ~~SS/MS~~ Dumb Barge "H. J. McMANUS" ex "JUDGE KENEFICK" Gross tons (Not yet re-measured)
Is there a rpt. 9? No Port Toronto, Ontario Rpt. No. 4693
No. of visits Six (6) First date 15-6-62 Last date 24-10-62
Interim Cert. issued No. Damage rpt. issued Last rpt. (H.Q. only) Tto 4394
& copy herewith? No & copy herewith? No
Date of completing rpt. 14-2-63 Surveyed at, if different from Port above Sarnia, Ontario
Surveyed afloat and/or in D.D. Afloat Last date of examination in D.D. 8/58
Has a Load Line Survey been held? No Freeboard Marks verified No

State which additional Rpt. 8 is attached: (Cont); (~~DR~~); (~~EQ~~); (~~Rig~~)

Survey fees \$480.00 Damage fee - 54 Expenses \$175.00

R.F.B. Tto-1048, Sept. 5, 1963 S.A. fee -

I/we have surveyed the above ship in accordance with the Rules for ~~Leak~~ Sulphuric Acid Tank installation and Conversion Survey (Not complete)

| Examined & Condition | | Examined & Condition | |
|--|--|---|---|
| Holds, incl. blkhd.s., inner btm. plating, etc | Yes Not Complete As Report | Pumps & pumping arrgts. outside mchy. space | No Pumps. Not Ex ^d . Piping Not Complete |
| Bilges & ceiling | Parts, Yes Good | Steering arrgts. incl. gear ments) | (No steering arrange- (Rudder un-shipped) |
| 'Tween decks | - - | W.T. doors & sluice valves | As Report |
| Deck & deck erections | Yes Not Complete As Report | *Ventilators | Not examined |
| Machinery space | None (Now common with No.2 Hold and occupied by Cylindrical Tanks) | *Hatchways | Parts Only Good (Casings removed) |
| Under E. & B. | (Engines & Boilers taken out) | Casings & companionways | (Alterations not complete) |
| Masts, rigging & outfit | Not examined | *Superstructure | Not examined |
| Windlass & hawse pipes | Not examined | Guard rails & freeing ports | (Not complete aft) |
| *Air & sounding pipes | Parts only Good | Overboard discharges, ash chutes & other shell openings | Not examined |

| Examined & condition | | Tested & condition | | Examined & condition | | Tested & condition | |
|----------------------|--------------|--------------------|---|----------------------|-------------|--------------------|--|
| Peaks | Not examined | - | - | Tankers | Cargo tanks | | |
| Side tanks in hold | - | - | - | | Cofferdams | | |
| Deep tanks | - | - | - | | Pump rooms | | |

Has a grain survey been held? No (Not now applicable) Has a damage survey been held? No

For the information of the Committee, The items now surveyed are detailed on this report. All were found or placed in good order unless otherwise stated.

I/we recommend that this ship remain as classed with fresh record of Annual Survey. vessel is eligible to have her class amended in the Society's Register Book to BS* "Storage vessel at Great Lakes ports with occasional voyages in good weather to and from loading ports, subject to completion of conversions, and without fresh record of survey, and with notations "Dumb Barge". "Fitted for Storage of Sulphuric Acid 93% concentration in separate tanks, acid temperature not to exceed 100° F. and specific gravity 1.8345." "Two holds"

(Where conditions of class are recommended to be retained, imposed, amended or deleted, particulars must be stated above and on the interim certificate.)

Date of Committee

Minute

MONDAY 23 SEP 1963

Surveyor(s) to Lloyd's Register of Shipping

FRIDAY 10

ALSO FOR

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could be repairs". When any part has been subjected to pressure test this should be stated.

repairs have been effected in such a manner that re-examination or repairs should be made before that date the circumstances and

The condition of any item is to be described as "good" only when it has been examined, found or placed in good condition and is considered to be acceptable until the due

*These items include their closing appliances

Examined & condition

In dry dock from

" " " to

Shell plating

Sternframe

Rudder

Coal bunkers

Striking plates

Chain locker & cable holdfasts

Equipment letter =

No. of anchors

State if ranged

Length on board

Mean diameter

Rule length

Rule diameter

Examined & condition

Tested & condition

O.F. tanks

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-

Double bottom tanks

Yes

Satisfactory

No

Feed water & F.W. tanks

-

Was it necessary at this time

(1) to test any tanks?

No, except for Sulphuric Acid Tanks now installed.

(2) to drill the plating?

No

WEAR AND TEAR REPAIRS NOW DONE:-

No. 1 D/B Tanks (P & S) - Number of connections of floors and girders re-inforced by welding and fitting of additional stiffeners.

No. 2 D/B Tank (P & S) Number of connections of floors, brackets and girders re-inforced by welding and fitting of additional stiffeners. Number of floors cropped locally at intersection with intercostal side girder, insert piece welded in place to obtain continuity of transverse floors, and fore and aft intercostal side girders re-connected by welding. Number of floors cropped and part renewed.

No. 3 D/B Tank (P & S) One solid plate, and one bracket floor, repaired by stiffener re-inforcement.

Alterations:-

The rudder removed afloat at this time, sternframe shoe removed, and skeg fitted (P & S), as shown on Dwg. No. A72- "Proposed Skeg Arrangement."

Web Beams modified according to dwg. C10-2' - Modification to Web Beams to suit Cylindrical Tanks approved 10-7-62.

Conversion for storage of sulphuric acid in separate tanks:-

This consisted principally of the fitting of cylindrical tanks (not forming part of ship's structure) Two of these tanks fitted in way of No. 1 Hold, and two in way of No. 2 Hold, each 14' - 6" diameter. Divisional bulkhead at after end of No. 2 Hold removed at this time, except for portion left in place at sides and deck to form web; coal bunker space removed, (machinery and boilers taken out previously, including seatings and stools), and one cylindrical tank fitted aft 16 feet dia. Cylindrical tanks are all supported on longitudinal girders, and athwartship stools, as shown on Dwg. No. C10-1- "Cylindrical Tanks for the Carriage of Sulphuric Acid" approved 27th September, 1962. The cylindrical tanks were all constructed and installed according to this approved plan, or equivalent, from materials supplied according to Rule Requirements. The workmanship throughout was good, and the welding satisfactory, using approved electrodes. Upon satisfactory completion of all work the five cylindrical cargo tanks were tested with head of water to 10 feet above top of tanks, and found tight.

Except for the 'manways' and gooseneck air pipes, no other sulphuric acid tank piping arrangements were installed at this time. Existing gangway door in shell aft P & S was permanently closed watertight at this time.

(Continued)

PARTICULARS OF DEFECTS, REPAIRS, ALTERATIONS, ETC. The reason for repairs must be stated and repairs on account of damage, the alleged cause of which must be given, should be detailed separately from wear and tear repairs. State what action has been taken regarding items which are subjects of class or in SRL Appendix, whether outstanding or new. Any alterations in existing particulars in the Register Book should also be reported above.

Ship's Name ~~SS/MS~~ Non-Propelled Barge "H. J. McMANUS"

Port Toronto, Ontario Rpt. No. 4693

Upon completion of the modifications described in this report and installation and testing of the five cylindrical cargo tanks, all other conversion work was stopped and the survey discontinued at Owners request. Pending completion of conversion of the vessel for Great Lakes service the Owner stated that the vessel would be laid up at the plant dock in sheltered harbour in Sarnia, Ontario, and used only for loading and holding storage acid at this dock. To complete the "conversion" of the hull of this Dumb Barge for "Great Lakes service," the following is outstanding:-

Complete weather deck plating and supports aft, and prove tight by hose test. Cargo hold divisional bulkhead access opening to be permanently closed water-tight.

Survey of condition of framing aft to be completed.

Pumping arrangements to complete and test.

Windlass to be tested for the working of the bower anchors under power operation.

Annual survey requirements to complete.

Approved "as built" plans now forwarded:-

Dwg. No. C10-1- "Cylindrical Tanks for the Carriage of Sulphuric Acid."

Dwg. No. C10-2- "Modification to Web Beams to suit Cylindrical Tanks."

Dwg. No. A.72 - "Proposed Skeg Arrangement."



Surveyor to Lloyd's Register
T. L. Millar

