

REPORT ON BOILERS.

No. 3227

10 JUN 1930

Date of writing Report 19th May 1930 When handed in at Local Office 19th May 1930 Port of Montreal
 No. in Survey held at Sorel, P.Q. T Montreal P.Q. Date, First Survey 14th Feb. Last Survey 10th May 1930
 Reg. Book. ✓ on the Steel Tow Barge "Redstar" (Number of Visits 10) Gross 1719
 Master ✓ Built at Montreal By whom built Canadian Tickers Ltd. Tons Net 1523
 Boilers made at Sorel, P.Q. By whom made Sorel Mechanical Shops When built 1930-5
 Owners Red Barge Line Ltd. Montreal. Port belonging to Sorel, P.Q. When made 1930-5

VERTICAL DONKEY BOILER— No. 2 Description upright Dry Tubes Manufacturers of steel Tickers Steel
 Made at Sorel By whom made Sorel Mechanical Shops When made 1930-5 Where fixed Aft. end of vessel Working pressure 125 lbs
 tested by hydraulic pressure to 250 lbs Date of test 16.4.30 No. of Certificate 82 Fire grate area 21 sq. ft. Description of safety valves Spring loaded
 No. of safety valves 2 Area of each 6.283 Pressure to which they are adjusted 120 lbs If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler ✓ Dia. of donkey boiler 6' 0" Length 11' 6" Material of shell plates Steel Thickness 17/32 Range of tensile strength 28 1/2 to 32 Description of riveting long. seams Double welded lap Dia. of rivet holes 15/16 Whether punched or drilled Drilled Pitch of rivets 3 1/4
 Lap of plating 6 1/4 Per centage of strength of joint Rivets 100% Working pressure of shell by rules 148.5 Thickness of shell crown plates 9/16
 Radius of do. Flat No. of Stays to do. 148 Dia. of stays 1 1/8 Diameter of furnace Top 5' 2" 1/2 Bottom 5' 2" 1/2 Length of furnace 3' 8 1/4"
 Thickness of furnace plates 1/2" Description of joint Single welded lap Working pressure of furnace by rules 154 lbs Thickness of furnace crown plates 17/32 Radius of do. Flat Stayed by 1 1/8" dia. screwed stays Diameter of uptake ✓ Thickness of uptake plates ✓
 Thickness of water tubes ✓

The foregoing is a correct description,
 SOREL MECHANICAL SHOPS CO. LIMITED

C. M. Manderville Manufacturer

Dates of Survey while building
 During progress of work in shops— Feb. 14. 25. Mar. 5. April 8. 16
 During erection on board vessel— April 17. 22. 24 May 13. 16.
 Total No. of visits 10.

Is the approved plan of boiler forwarded herewith Yes

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

The Boiler of this vessel has been constructed under special survey in accordance with the approved plans and the Rules of this Society; the materials and workmanship are good. The boiler and steam pipes have been tested by hydraulic pressure and found sound and tight.

The safety valves have been adjusted under steam and tested for accumulation which did not exceed 5 per cent.

In my opinion the vessel is eligible for the record D.B.S. 5.30.

It is submitted that
 this vessel is eligible for
 THE RECORD. + D.B. 5.30 — 125 lb.

Survey Fee ... £ 45.00
 Travelling Expenses (if any) £ 20.00

When applied for, 19th May 1930
 When received, 30.7.19 30 B.B.O.V.

Committee's Minute FRI. 11 JUL 1930

Assigned + D.B. 5.30 - 125 lbs

Geo. Allan
 Engineer Surveyor to Lloyd's Register of Shipping.

010933-010942-0045

Lloyd's Register
 Foundation