

REPORT ON BOILERS.

No. 1270

Received at London Office

TUE JUN 22 1920

Writing Report

June 1st 1920

When handed in at Local Office

June 3rd 1920

Port of Halifax N.S.

Survey held at

New Glasgow N.S.

Date, First Survey

July 2nd 1919

Last Survey

May 3rd 1920

on the

Single screw steamer "Canadian Miner"

(Number of Visits 41)

Gross

1765.68

Net

1043.29

Built at

New Glasgow N.S.

By whom built

Nova Scotia Steel & Coal Co. Ltd.

When built 1919-1920

Made at

Amherst N.S.

By whom made

Robb Engine Works

When made 1919-1920

Made at

Amherst N.S.

By whom made

Robb Engine Works and Nova Scotia Steel & Coal Co. Ltd.

When made 1919-1920

Horse Power

Owners Canadian Government Merchant Mar. Port belonging to

Montreal

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Luker Steel Co. Portville, Pa.

for record

Total Heating Surface of Boilers 2900 ✓ Is forced draft fitted no ✓ No. and Description of 2-Scotch Multitubular Marine Working Pressure 185 lbs. Tested by hydraulic pressure to 370 lbs. Date of test 26/3/20

Certificate 9410 Can each boiler be worked separately yes ✓ Area of fire grate in each boiler 420 ✓ No. and Description of valves to each boiler 2-Spring-loaded Area of each valve 7.06 Pressure to which they are adjusted 185 lbs. ✓

Key fitted with easing gear yes ✓ In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler ✓

Test distance between boilers or uptakes and bunkers or woodwork 12" ✓ Mean dia. of boilers 12'-9" Length 10'-9"

Material of shell plates Steel ✓ Thickness 1 3/16" Range of tensile strength 28-32 ✓ Are the shell plates welded or flanged flanged

Pitch of riveting: cir. seams lap joint long. seams R.B. shape Diameter of rivet holes in long. seams 15/16" Pitch of rivets 8 3/4"

Material of plates or width of butt straps 19 1/4" ✓ Per centages of strength of longitudinal joint rivets 87.5 ✓ Working pressure of shell by plate 85

Size of manhole in shell 12" x 14" ✓ Size of compensating ring 32" x 36" ✓ No. and Description of Furnaces in each

Material	Outside diameter	Length of plain part	Thickness of plates	Working pressure of furnace by the rules	Combustion chamber
Material Steel	Thickness: Sides 9/16" Back 9/16" Top 9/16" Bottom 1" ✓	Pitch of stays to ditto: Sides 6 x 9 Back 7 1/2 x 8 ✓	Area supported by each stay 56.48 Working pressure by rules 240 ✓	End plates in steam space: Material Steel Thickness 1" ✓	Area at smallest part 3.98 ✓
Material Steel	Thickness: Front 7/8" Back 7/8" ✓	Mean pitch of stays 8.6 ✓	Pitch across wide	Girders to Chamber tops: Material Steel ✓	Depth and thickness of
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Working pressure by rules 250 ✓ Steam dome: description of joint to shell ✓ % of strength of joint ✓

Thickness of shell plates ✓ Material ✓ Description of longitudinal joint ✓ Diam. of rivet holes ✓

Working pressure of shell by rules ✓ Crown plates ✓ Thickness ✓ How stayed ✓

SUPERHEATER. Type ✓ Date of Approval of Plan ✓ Tested by Hydraulic Pressure to ✓

Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler ✓

Pressure to which each is adjusted ✓ Is Easing Gear fitted ✓

Nova Scotia Steel & Coal Co. Limited

Robb Engineering Works, Limited

Manufacturer.

Is the approved plan of boiler forwarded herewith ✓

Total No. of visits 41

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

These boilers have been constructed under special survey, and in accordance with the Rules and approved plans, dated 11/4/18: the qualities of material and workmanship being satisfactory, and eligible, in my opinion, to be classed A-1.

Survey Fee ... 52.75 ✓ When applied for June 4th 1920 ✓

Travelling Expenses (if any) ... 29.7 ✓ When received 29/7/20 ✓

Committee's Minute TUE JUN. 29 1920

Assigned

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation