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STRUCTURAL INSPECTION AND NDT OF RITCHIE BROS. LOADING RAMP REPAIRS CASCADE – SERIAL #11600

Attention: April Magnifico	**Date**: 9-Oct-26
Client: Total Works Truck & Equipment	**File #**: 4141MB-26
Address: 1874 - 1st Street North, Brandon, MB R7C 1A9	**Report #**: 2 **Rev.** 0
Cc:	**PO #**:



Equipment Details

Owner: Ritchie Bros.	**Unit #**: N/L
Make: Cascade	**Mfg Year**: N/L
Model: Loading Ramp	**Capacity**: N/L
Serial #: 11600	**Colour**: Black

Inspection General

Inspection Scope:	Visual inspection and magnetic particle testing
Inspection Code:	CSA W59
Procedure:	CIS-01 QC / CIS-02 VT / CIS-04 MT
Surface Condition:	In service Painted
Surface Temp:	> 5°C < 49°C
Date of Inspection:	October 9 & November 10, 2026
Location of Inspection:	5350 Limestone Road & 1874-1st Street N, Brandon, MB
Inspector:	Brent Hedley Braeden Adamczyk

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Visual Inspection

Accessible members inspected for:	Damage - Wear - Loose - Missing - Corrosion
Accessible welds inspected for:	Defects
Equipment:	Flashlight

Magnetic Particle Testing

Areas Tested:	Suspect areas
Method of Test:	Dry Powder / Wet Visible Continuous
Equipment:	Parker Research B300MR AC Yoke - Serial #32727 Parker Research B300MR AC Yoke - Serial #32374
Consumables:	Circle Systems #68 Blue Dry Powder - Batch #21102 Magnaflux 7C Black Wet Method Visible Particle - Batch #18J062 Magnaflux WA-2B Water Conditioner - Batch #19C109 Magnaflux WCP-2 Contrast Paint - Batch #20D12K
Current:	AC **Demagnetization:** No

Inspection Results:

Component	Accept	Reject	Repaired & Accepted
• Bottom Right Beam Fish plate repair done at cracked area. Plate was installed over cracked area (bottom flange) with no repair done to crack prior to installing plate. Web of “I” beam also cracked and is buckled at this location with deviation of 10 mm. Numerous fish plates were noted on all “I” beams, welding quality poor and no consistent weld size throughout. **November 10, 2026** - Fish plates removed in 4 areas and re-welded – VT/MT ok - Bottom beam near the front of the trailer on weld splice repaired – VT/MT ok - Main beam straightened / cracked “I” beam repaired – VT/MT ok	☐	☐	☒
• Crack at Top Lip Weld repair on underside of lip is poor quality and has poor fusion to parent material, has re-cracked. Repair area extends further than repair weld installed. Topside of lip is cracked also. **November 10, 2026** - Top lip: 1 crack repaired – VT/MT ok	☐	☐	☒

Comments:

At the time of our arrival all repair welding was completed. Repair instructions were provided by others. Visual weld quality and magnetic particle testing of repairs was acceptable.

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CERTIFICATE OF INSPECTION

This certification remains in effect for one year after date of inspection unless otherwise revoked.
Any form of actual or suspected damage sustained from misadventure (i.e. electrical contact, shock loads, overstressing, stability failure) will void certification.

Based on the inspection results this unit is deemed as meeting the original design intent and is suitable for continued use per the manufacturer's requirements.

Our inspection is for all the accessible structural elements of the equipment and is supplemental to the mechanical inspections & regular maintenance required by the manufacturer and the noted Standard as required for this unit that are completed by others.

Derek Quinsey
CSA W178.2 Level 3 / NACE Coating Level 1
CGSB & SNT Level 2 MT, PT, UT, UT-PA, RT / PCN PAUT Level 2/ISO 20807 Level 2 XRF



Brent Hedley
CSA W178.2 Level 3 / NACE Coating Level 2
CGSB & SNT Level 2 MT, PT, UT / ISO 20807 Level 2 XRF



Braeden Adamczyk
CSA W178.2 Level 1
CGSB Level 2 MT/SNT Level 2 MT, PT/SNT Level 1 UT



Certification implies an expression of professional opinion based on our best knowledge of the product, visual examination and NDE of accessible components and information provided by others involved in the operation, inspection, manufacture or repair of the product. This does not imply warranty or acceptance of responsibility beyond the terms of inspection and/or engineering services. In no case shall we be responsible for any amount exceeding the cost of our services.