



Maple Leaf Consulting Inc.

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V08-15
NOV

June 19, 2025

Reference: **MLC-34591**

ALBERTA DIRECTIONAL BORING LTD.
256 Burnt Park Drive
Red Deer, Alberta
T4S 2L4

Attention: **Dave**

EQUIPMENT ASSESSMENT

Equipment:	Double Channel Truck Frame
Model:	1999 CH613
Manufacturer:	Mack
Serial Number:	IM2AA18CXYW118423
Reference:	Unit #211

The above truck frame was examined in detail on June 17, 2025 at Alberta Directional Boring's shop in Red Deer. Areas of "frame jacking" due to corrosion between the inner and outer frame channels were evaluated as requested. The distortion was relatively uniformly split top to bottom between the channel flanges, with the tips of the outer flange pushed out and the tips of the inner flange being pushed in due to the corrosion. The worst location noted had a 0.875 (22mm) gap between the flanges, with minimum flange material of 0.200 (0.250 nominal) on the outer channel flange, and 0.195 (0.250 nominal) on the inner channel flange. These dimensions along with the distortion yield a frame with 78% of the strength of "new". This is significantly lower than our "cut-off" of 85%.

Based on the evaluation, it is our opinion that the unit is **NOT SAFE** to operate within its rated capacity.

This assessment is valid until the unit has been damaged structurally by either handling or operation. Unengineered structural modifications to this unit will void this assessment. This assessment must be repeated for future CVIP requirements.

PERMIT TO PRACTICE	
MAPLE LEAF CONSULTING INC.	
Signature	<u>Everett M. Gusek, P. Eng.</u>
Date	<u>June 19, 2025</u>
PERMIT NUMBER: P 7117	
The Association of Professional Engineers, Geologists and Geophysicists of Alberta	



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