

# Scope of Accreditation For McCann Equipment Ltd.

1489 Dublin Avenue  
Winnipeg, MB R3E 3G8  
Daniel M. McCann  
204-774-2277

In recognition of a successful assessment to ISO/IEC 17025:2005 and ANSI/NCSL Z540.3, accreditation is granted to **McCann Equipment Ltd.** to perform the following Calibrations:

Accreditation granted through: **June 29, 2013**

## Calibration

### Mass – Torque

<b>Calibration Parameter/Equipment</b> <sup>1</sup>	<b>Range</b>	<b>Calibration and Measurement Capability(+/-)</b>	<b>Remarks</b>
Hand Torque Wrenches and Torque Limiting Screwdrivers	4 ozf-in to 2000 lbf-ft (0.028 to 2712) Nm	0.48 % of applied load	ISO 6789
Pneumatic Torque Wrenches	0.4 lbf-in to 10 000 lbf-ft (0.17 to 13 600) Nm	1.52 % of applied load	Electronic Transducer and Display Unit per McCann procedures
Hydraulic Torque Wrenches	(127 to 10 000) lbf-ft (172 to 13 600) Nm	1.17 % of applied load	
Electronic Torque Wrenches	4 ozf-in to 2000 lbf-ft (0.028 to 2712) Nm	0.6 % of applied load	
Hand Torque Multipliers	(127 to 10 000) lbf-ft (172 to 13 600) Nm	0.59 % of applied load	

**Mass – Pressure / Low Vacuum**

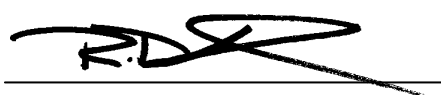
<b>Calibration Parameter/Equipment<sup>1</sup></b>	<b>Range</b>	<b>Calibration and Measurement Capability(+/-)</b>	<b>Remarks</b>
Pneumatic Pressure Gauge	(0.1 to 300) psi	0.43 % of reading	GE Druck Digital Pressure Indicator Model DPI 280 Pressure Transducer Model PDCR 4010 per ASME B40

Calibration and Measurement Capability (CMC) represents expanded uncertainties at approximately a 95% confidence level using a coverage factor of k=2.

Notes:

- 1) Laboratory offers calibration services at the laboratory's own facilities and at the client or other agreed upon facilities.



Approved by:   
R. Douglas Leonard  
Chief Technical Officer

Date: September 1, 2011