Scope of Accreditation
For
Michigan Spline Gage Company

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In recognition of a successful assessment to ISO/IEC 17025:2005, accreditation is granted to **Michigan Spline Gage Company** to perform the following Calibrations:

Accreditation granted through: **March 3, 2010**

Calibration

Length - Dimensional Metrology – Other

Calibration Parameter/Equipment[1]	Range	Best Measurement Capability(+/-) [2]	Remarks
Measurement Over Wires[3]	0.188 in to 3 in	(63.3 + 2.5D) µin	Sheffield Visual Comparator, Trimos TULM 210, Master Gage Blocks, Gear Measuring Wires
	3 in to 5 in	(55.7 + 5D) µin	
	5 in to 8 in	(70.2 + 5.5D) µin	
Major Diameter[3]	0.188 in to 3 in	(36.0 + 3.5D) µin	Sheffield Visual Comparator, Trimos TULM 210, Master Gage Blocks
	3 in to 5 in	(30.7 + 5.5D) µin	
	5 in to 8 in	(56.2 + 5.5D) µin	
Minor Diameter[3]	<1 in	47 µin	Master Plug
Minor Diameter[3]	1 in to 3 in	(43.7 + 3D) µin	Trimos TULM 210
	3 in to 6 in	(32.7 + 6D) µin	
	6 in to 8 in	(33.3 + 6D) µin	
Measurement Between Wires[3]	0.188 in to 3 in	(83.3 + 0.89D) µin	Master Gage Blocks, Gear Measuring Wires
	3 in to 6 in	(28.3 + 16D) µin	
	6 in to 8 in	(107.8 + 2.5D) µin	
Involute Profile	0.188 in to 8 in	57 µin	Gear Analyzer
Index	0.188 in to 8 in	65 µin	Gear Analyzer
Lead	0.188 in to 8 in	67 µin	Gear Analyzer

LABORATORY ACCREDITATION BUREAU

Certificate # L1064-1

Calibration Parameter/Equipment[1]	Range	Best Measurement Capability(+/-) [2]	Remarks
Runout	0.188 in to 8 in	69 µin	Gear Analyzer
Concentricity (Internal Splines)	Up to 8 in	82 µin	Test Indicator
Concentricity (External Splines)	Up to 8 in	96 µin	Test Indicator

Notes:

1) Laboratory offers calibration services at the laboratory's own facilities.

2) Best uncertainties represent expanded uncertainties at approximately the 95% confidence level using a coverage factor of k=2.

3) D= Diameter in inches

Approved by: _____ Date: January 16, 2008

R. Douglas Leonard
Chief Technical Officer

Revised: 2/9/06 Re-Issued: 2/27/07 Revised: 1/16/08