

WOLVERINE PLATING - TEST FACILITY SPECIFICATIONS LIST

<u>Spec</u>	<u>Description</u>
Plating Thickness	
ASTM-B-568	Measurement by X-ray Spectrometry
GM4260P	Measuring Thickness of Electrodeposits
Salt Spray Testing	
ASTM-B-117	Operating Salt Spray Apparatus
ASTM-D-1193	Specification for Reagent Water
ASTM-E-70	pH of Solutions with Glass Electrode
GM4298P	General Motors - Salt Spray
JIS-Z-2371	Japanese Industrial Standard - Salt Spray
GMI 60206	General Motors - Salt Spray - Europe
DIN 50021	Salt Spray Testing - BMW
TM 1-001	Corrosion Resistance - Autoliv ASP
ISO 9227	Corrosion Test in Artificial Atmospheres - SS
SAE/USCAR-1	Salt Spray Testing & Evaluation of Fasteners
NES M0140	Nissan - Salt Spray
Cycle Testing	
GM9505P	Automotive Environmental Cycles
GM9540P	Accelerated Corrosion Test
GMW 14872	Cyclic Test
CETP 00.00-L-467	Ford - Cyclic Test
Adhesion Testing	
ASTM-B-571	Adhesion of Metallic Coatings
Torque & Tension	
ASTM-B-5648	Adhesives Used on Thread Fasteners
WZ100	Ford Worldwide Reference Standard
Chromate Coatings	
ASTM-B-201	Testing Chromate Coatings on Zinc
GMW3034	Test of Chromated Zn or ZnNi Coatings

Equipment Precision

ASTM-E-691	Interlaboratory Study/Precision of Method
ASTM-F-1469	Conducting R&R Study - Nondestructive
ISO 5725-2	Accuracy of Measurements Methods
ISO/IEC Guide 43-1	Laboratory Proficiency Testing
NIS 3003	Uncertainty & Confidence in Measurement for Calibration
NIST Technote 1297	Guidelines for Evaluating & Expressing Uncertainty
ISO-10012	Measurement Management Systems

Laboratory Requirements

ISO/IEC 17025	Competence of Testing & Calibration
ISO 9004	Quality of Measurement & Quality Elements
ISO-10012	Q.A. Requirements for Measurement Equipment
ISO Guide 58	Cal. & Testing Lab Accreditation Systems

Definitions

ISO Guide 2	Definitions
-------------	-------------

Key Quality Characteristics

PS-7300	Key Quality Characteristics - Chrysler
---------	--

Oven Calibration

AMS 2750D	Pyrometry
ANSI/NCSL	Z540.1-1994