



SIVACO
ONTARIO
A HEICO COMPANY

ISO 9001:2008, ISO 14001:2004 AND OHSAS 18001:2007 REGISTERED

SIVACO Ontario
a Division of SIVACO Wire Group L.P.
330 Thomas Street
PO Box 220
Ingersoll, Ontario CANADA
N5C 3K5
(519) 485-4150 Fax (519) 485-3039

Physical Test Report

WORK ORDER
079487

HEAT NUMBER
A09500

SALES ORDER / RLS
050366 / 6

CERT ID / REV
00041056 / 01

SOLD TO

Windsor Machine & Stamping (US) Ltd
26655 NorthLine Road
Taylor, MI 48180
United States
Attn: Quality Assurance

CUSTOMER P.O.	CUSTOMER PART SUB. FOR 15.0MM	QUANTITY 11,132 lb	COILS 6	LADING NO 00055157	SHIPMENT DATE 01/03/2013					
SPECIFICATION WIQ1018591-01 0.5910" (15.0mm) 1018 IQ, D.F.A.R., Clean/Lime, Windsor Machine & Stamping (US, 7217.10.5030 Non-Alloy Wire, Heat Treated Diam. >= 1.5mm (0.060") Carbon < 0.25%										
CUSTOMER REQUIREMENTS										
Chemical (value of 9 = n/a)										
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al
.1600	.7300	.0150	.0150	.1800	.2200	.0800	.1400	.0270	.0100	.0050
B	V	N								
.0002	.0020	.0086								
Mechanical - Summary										
<u>TEST</u>	<u>UNITS</u>	<u>HIGH</u>	<u>LOW</u>	<u>AVERAGE</u>						
Diameter (inch)	in	.590	.590	0.590						
Tensile (psi)	psi	???????????????	?????????????????	?????????????????						
End of Certification										

I attest that the results are a true and correct copy of the records prepared and maintained by SIVACO Ontario in compliance with the requirements of the cited specification. Chemistry is as reported by the rod / bar supplier. This test report cannot be reproduced or distributed, except in full, without the written permission of SIVACO Ontario.

Authorized by: Gary Allard, QA Manager