



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
085759

HEAT NUMBER
A12087

SALES ORDER / RLS
054711 / 3

CERT ID / REV
00047177 / 01

SOLD TO

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

CUSTOMER P.O.	CUSTOMER PART Polymer	QUANTITY 4,118 lbs	COILS 2	LADING NO 00058306	SHIPMENT DATE 07/18/2013					
SPECIFICATION WCH1541565-06 0.5650" (14.351mm) 1541 CHQ, SAFS, Clean/Phos/Polymer, Windsor Machine & Stamping Ltd, 7217.10.8010 Non-Alloy Wire, Heat Treated C=>0.25% and < 0.60%										
CUSTOMER REQUIREMENTS										
Chemical (value of 9 = n/a)										
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al
.3700	1.4100	.0110	.0190	.2400	.1500	.0600	.1200	.0220	.0080	.0050
B	V	N								
.0003	.0030	.0065								
Mechanical - Summary										
<u>TEST</u>	<u>UNITS</u>	<u>HIGH</u>	<u>LOW</u>	<u>AVERAGE</u>						
Diameter (inch)	in	.564	.564	0.564						
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