



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

SIVACO Ontario
 a Division of SIVACO Wire Group L.P.
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Physical Test Report

WORK ORDER
089682

HEAT NUMBER
W36736

SALES ORDER / RLS
057228 / 2

CERT ID / REV
00050647 / 01

SOLD TO

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

CUSTOMER P.O.	CUSTOMER PART	QUANTITY	COILS	LADING NO	SHIPMENT DATE					
		4,276 lbs	2	00060019	11/07/2013					
SPECIFICATION PCH101814.3-00 14.30mm (0.5630") 1018 AKCHQ, Clean/Coat, Clean/Phos/Polymer, Windsor Machine & Stamping (US, 7213.99.0030 Hot Rolled Rods Dia.>=14.0mm (0.551") but <19.0mm (0.748"), Further Processed or Not										
CUSTOMER REQUIREMENTS										
Chemical (value of 9 = n/a)										
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al
.1900	.7700	.0110	.0040	.0700	.0100	.0400	.0300	.0080	.0030	.0430
B	V	N								
.0001	.0050	.0043								
Mechanical - Summary										
<u>TEST</u>	<u>UNITS</u>	<u>HIGH</u>	<u>LOW</u>	<u>AVERAGE</u>						
Diameter (inch)	in	.562	.562	0.562						
Tensile (psi)	psi	68118	68118	68118						
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