



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  
**089866**

HEAT NUMBER  
**W36340**

SALES ORDER / RLS  
**056843 / 2**

CERT ID / REV  
**00050122 / 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					
		<b>4,216 lbs</b>	<b>2</b>	<b>00059810</b>	<b>10/21/2013</b>					
SPECIFICATION <b>PCH101814.3-00</b> <b>14.30mm (0.5630") 1018 AKCHQ, Clean/Coat, Clean/Phos/Polymer, Windsor Machine &amp; Stamping (US, 7213.99.0030</b> <b>Hot Rolled Rods Dia.&gt;=14.0mm (0.551") but &lt;19.0mm (0.748"), Further Processed or Not</b>										
CUSTOMER REQUIREMENTS										
<b>Chemical (value of 9 = n/a)</b>										
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al
.1800	.7400	.0150	.0020	.0700	.0300	.0500	.0400	.0070	.0030	.0370
B	V	N								
.0001	.0040	.0057								
<b>Mechanical - Summary</b>										
<u>TEST</u>	<u>UNITS</u>	<u>HIGH</u>	<u>LOW</u>	<u>AVERAGE</u>						
<b>Diameter (inch)</b>	<b>in</b>	<b>.563</b>	<b>.563</b>	<b>0.563</b>						
<b>Tensile (psi)</b>	<b>psi</b>	???????????????	?????????????????	?????????????????						
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