



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  
**075700**

HEAT NUMBER  
**A09110**

SALES ORDER / RLS  
**047649 / 8**

CERT ID / REV  
**00036185 / 02**

SOLD TO

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

CUSTOMER P.O.	CUSTOMER PART	QUANTITY <b>3,902 lbs</b>	COILS <b>2</b>	LADING NO <b>00052983</b>	SHIPMENT DATE <b>06/27/2012</b>					
SPECIFICATION <b>PIQ1018110-2</b> <b>11.00mm (0.4331") 1018 IQ, Clean/Coat, Clean/Lime, Windsor Machine &amp; Stamping (US, 7213.91.6000</b> <b>Hot Rolled Rods Dia.&lt;14.0mm (0.551"),Further Processed,Carbon &lt; 0.60%</b>										
CUSTOMER REQUIREMENTS										
<b>Chemical (value of 9 = n/a)</b>										
<b>C</b>	<b>Mn</b>	<b>P</b>	<b>S</b>	<b>Si</b>	<b>Cu</b>	<b>Ni</b>	<b>Cr</b>	<b>Mo</b>	<b>Sn</b>	<b>Al</b>
.150	.70	.014	.011	.18	.18	.06	.14	.019	.009	.004
<b>B</b>	<b>V</b>	<b>N</b>								
.0000	.001	.0079								
<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>.433</b>	<b>.433</b>	<b>0.433</b>						
<b>Tensile (psi)</b>	<b>psi</b>	<b>73320</b>	<b>73320</b>	<b>73320</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