



**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  
**064082**

HEAT NUMBER  
**A05087**

SALES ORDER / RLS  
**039323 / 2**

CERT ID / REV  
**00023934 / 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>FLEXIBLE</b>	<b>13,406 lbs</b>	<b>4</b>	<b>00047277</b>	<b>04/29/2011</b>					
SPECIFICATION <b>PIQ1018150-01M</b>										
<b>15.00mm (0.5906") 1018 IQ, Clean/Coat, Clean/Lime (MOD), 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>										
<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>
.1600	.6600	.0100	.0110	.2100	.2000	.0800	.1200	.0330	.0090	.0040
<b>B</b>	<b>V</b>	<b>N</b>								
.0002	.0030	.0099								
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: Graham Benoit, QA Manager