



**SIVACO**  
ONTARIO  
A HEICO COMPANY

ISO 9001:2000, 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  
**045225**

LOT NUMBER  
**A96891**

SALES ORDER / RLS  
**026636 / 1**

CERT ID / REV  
**00008016 / 01**

SOLD TO

**G & R Forging**  
**7072 Smith Industrial Dr**  
**McGregor, ON N0R 1J0**  
**Canada**  
**Attn: Quality Assurance**

CUSTOMER P.O. <b>STOCK</b>	CUSTOMER PART	QUANTITY <b>10,000 lbs</b>	COILS <b>3</b>	LADING NO <b>00039050</b>	SHIPMENT DATE <b>09/16/2009</b>					
SPECIFICATION <b>PIQ1018135-19</b> <b>13.50mm (0.5310") 1018 IQ, Clean/Coat, Clean/Rinse, G&amp;R Cold Forging, 7213.91.6000</b>										
CERTIFICATION 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	.6800	.0080	.0110	.1900	.1800	.0800	.1500	.0220	.0160	.0050
<b>B</b>	<b>V</b>	<b>N</b>								
.0000	.0030	.0058								
<b>Mechanical - Tag Detail</b>										
	<b>DIAs</b>	<b>UTSs</b>								
00342167	.528	73516								
00342168	.534	71429								
00342169	.532	71975								
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