



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

**SIVACO Ontario**  
 a Division of SIVACO Wire Group L.P.  
 330 Thomas Street  
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# Physical Test Report

WORK ORDER  
**091571**

HEAT NUMBER  
**A13224**

SALES ORDER / RLS  
**057717 / 4**

CERT ID / REV  
**00051471 / 01**

SOLD TO

**G & R Forging**  
**7072 Smith Industrial Drive**  
**McGregor, ON N0R 1J0**  
**Canada**

CUSTOMER P.O.	CUSTOMER PART	QUANTITY	COILS	LADING NO	SHIPMENT DATE					
	<b>12.00-1018</b>	<b>4,162 lbs</b>	<b>2</b>	<b>00060436</b>	<b>12/02/2013</b>					
SPECIFICATION <b>PIQ1018120-20</b> <b>12.00mm (0.4720") 1018 IQ, Clean/Coat, Clean/Lime, G&amp;R Cold Forging, 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>
.1700	.6700	.0070	.0090	.2200	.2100	.0700	.0700	.0240	.0110	.0040
<b>B</b>	<b>V</b>	<b>N</b>								
.0000	.0020	.0087								
<b>Mechanical - Tag Detail</b>										
	<b>DIAs</b>	<b>UTSs</b>								
<b>68470007A</b>	<b>.473</b>	<b>74559</b>								
<b>68470007B</b>	<b>.473</b>	<b>74559</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