



**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  
**064848**

HEAT NUMBER  
**D78695**

SALES ORDER / RLS  
**039817 / 1**

CERT ID / REV  
**00025329 / 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>12,532 lbs</b>	<b>6</b>	<b>00047929</b>	<b>06/21/2011</b>					
SPECIFICATION <b>PCH1018143-11</b>										
<b>14.30mm (0.5630") 1018 AKCHQ, Clean/Coat, Clean/Lime, G&amp;R Cold Forging, 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>
.1800	.7800	.0060	.0070	.0400	.0300	.0100	.0200	.0030	.0020	.0400
<b>B</b>	<b>V</b>	<b>N</b>								
.0001	.0020	.0030								
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