



**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  
**079158**

HEAT NUMBER  
**W31289**

SALES ORDER / RLS  
**050141 / 1**

CERT ID / REV  
**00040430 / 04**

SOLD TO

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

CUSTOMER P.O. <b>STOCK</b>	CUSTOMER PART	QUANTITY <b>20,088 lbs</b>	COILS <b>10</b>	LADING NO <b>00055285</b>	SHIPMENT DATE <b>01/02/2013</b>					
SPECIFICATION <b>PIQ101814.3-03S</b> <b>14.30mm (0.5630") 1018 KP, Stress Relieve, Clean/Lime, G&amp;R Cold Forging,</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	.0040	.1500	.0400	.0700	.0600	.0040	.0020	.0020
<b>B</b>	<b>V</b>	<b>N</b>								
.0001	.0070	.0073								
<b>Mechanical - Tag Detail</b>										
	<b>DIAs</b>	<b>UTSs</b>								
389350011A	.559	63162								
389350011B	.559	63162								
389350031A	.559	61125								
389350031B	.559	61125								
389350121A	.558	63804								
389350121B	.558	63804								
389350131A	.561	62702								
389350131B	.561	62702								
389350141A	.559	63162								
389350141B	.559	63162								
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