



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  
**089001**

HEAT NUMBER  
**A12763**

SALES ORDER / RLS  
**050267 / 1**

CERT ID / REV  
**00049301 / 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>3,815 lb</b>	<b>2</b>	<b>00059423</b>	<b>09/26/2013</b>					
SPECIFICATION <b>WIQ1018157-01</b> <b>0.1570" (3.9878mm) 1018 IQ, Direct Draw, Extra Bright, G&amp;R Cold Forging, 7217.10.5090</b> <b>Non-Alloy Wire, Not Heat Treated (Other)</b> <b>Diam. &gt;= 1.5mm (0.060")</b> <b>Carbon &lt; 0.25%</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	.6600	.0130	.0030	.2000	.2100	.0700	.1000	.0170	.0090	.0040
<b>B</b>	<b>V</b>	<b>N</b>								
.0000	.0060	.0089								
<b>Mechanical - Tag Detail</b>										
	<b>DIAs</b>	<b>UTSs</b>								
68121007A	.156	109948								
68121007B	.156	109948								
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