



**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  
**070908**

HEAT NUMBER  
**A07344**

SALES ORDER / RLS  
**044113 / 1**

CERT ID / REV  
**00031235 / 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>8,220 lb</b>	<b>4</b>	<b>00050661</b>	<b>01/18/2012</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>										
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al
.1800	.6700	.0110	.0190	.2000	.2100	.0600	.1200	.0290	.0120	.0060
B	V	N								
.0000	.0010	.0062								
<b>Mechanical - Tag Detail</b>										
	DIAs	UTSs								
644797-10A	.157	105155								
644797-10B	.157	106186								
644797-11A										
644797-11B										
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