



**SIVACO**  
ONTARIO  
A HEICO COMPANY

ISO9001:2000 and ISO14001:2004 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  
**038150**

LOT NUMBER  
**A94189**

SALES ORDER / RLS  
**021791 / 1**

CERT ID / REV  
**00003312 / 01**

SOLD TO

**G & R Forging**  
**7072 Smith Industrial Dr**  
**McGregor, ON N0R 1J0**  
**Canada**  
**Attn: Quality Assurance**

CUSTOMER P.O. <b>8</b>	CUSTOMER PART	QUANTITY <b>6,680 lb</b>	COILS <b>2</b>	LADING NO <b>00033558</b>	SHIPMENT DATE <b>09/19/2008</b>					
SPECIFICATION <b>WIQ1038452-02</b> <b>0.4520" (11.48mm) 1038 IQ, SAFS, Clean/Phos/Lube, G&amp;R Cold Forging, 7217.10.8020</b>										
CERTIFICATION 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>
.3500	.7500	.0080	.0120	.2200	.1700	.0700	.0600	.0150	.0100	.0060
<b>B</b>	<b>V</b>	<b>N</b>								
.0000	.0030	.0088								
<b>Mechanical - Tag Detail</b>										
	<b>DIAs</b>	<b>UTSs</b>								
00316174	.453	65757								
00316175	.452	68536								
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