



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
077742

HEAT NUMBER
A10353

SALES ORDER / RLS
049153 / 3

CERT ID / REV
00038527 / 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					
		3,710 lb	2	00054146	09/24/2012					
SPECIFICATION WIQ1018157-01 0.1570" (3.9878mm) 1018 IQ, Direct Draw, Extra Bright, G&R Cold Forging, 7217.10.5090 Non-Alloy Wire, Not Heat Treated (Other) Diam. >= 1.5mm (0.060") Carbon < 0.25%										
CUSTOMER REQUIREMENTS										
Chemical (value of 9 = n/a)										
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al
.1600	.6600	.0160	.0110	.2200	.2200	.0800	.1200	.0260	.0120	.0050
B	V	N								
.0000	.0030	.0073								
Mechanical - Tag Detail										
	DIAs	UTSs								
359990051A	.1575									
359990051B	.1575									
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