



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
085665

HEAT NUMBER
W33303

SALES ORDER / RLS
054650 / 1

CERT ID / REV
00046274 / 02

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					
		11,690 lb	6	00057920	06/19/2013					
SPECIFICATION WIQ10180.472-04										
0.4720" (11.9888mm) 1018 IQ, Direct Draw, Clean/Lime, G&R Cold Forging										
CUSTOMER REQUIREMENTS										
Chemical (value of 9 = n/a)										
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al
.17	.68	.006	.010	.20	.04	.07	.06	.004	.002	.002
B	V	N								
.0001	.005	.0032								
Mechanical - Tag Detail										
	DIAs	UTSs								
426120021AR	.472									
426120021BR	.472									
426120031AR	.472									
426120031BR	.472									
426120041AR	.472									
426120041BR	.472									
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