



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
074822

HEAT NUMBER
A09111

SALES ORDER / RLS
047017 / 3

CERT ID / REV
00035581 / 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					
	0.157-1018	8,280 lb	4	00052734	06/05/2012					
SPECIFICATION WIQ10180157-02										
0.1570" (3.9878mm) 1018 IQ, Direct Draw, Extra Bright, G&R Cold Forging,										
CUSTOMER REQUIREMENTS										
Chemical (value of 9 = n/a)										
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al
.1600	.7100	.0160	.0160	.1900	.1800	.0600	.1600	.0280	.0100	.0040
B	V	N								
.0000	.0010	.0085								
Mechanical - Tag Detail										
	DIAs	UTSs								
31682011A	.157	108247								
31682011B	.157	110309								
31682012A	.157	108247								
31682012B	.157	112371								
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