



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
087638

HEAT NUMBER
A12579

SALES ORDER / RLS
055928 / 2

CERT ID / REV
00048403 / 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					
		11,684 lbs	6	00059029	09/04/2013					
SPECIFICATION PIQ101814.3-03S										
14.30mm (0.5630") 1018 KP, Stress Relieve, 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
.1700	.6300	.0090	.0080	.2000	.1200	.0600	.0600	.0160	.0080	.0030
B	V	N								
.0000	.0020	.0094								
Mechanical - Tag Detail										
	DIAs	UTSs								
67960505A	.560	60901								
67960505B	.560	60901								
67960506A	.559	61125								
67960506B	.559	61125								
67960508A	.561	61489								
67960508B	.561	61489								
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