



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
080556

HEAT NUMBER
A10106

SALES ORDER / RLS
051062 / 1

CERT ID / REV
00043134 / 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					
		7,862 lbs	4	00056223	03/07/2013					
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	.6600	.0090	.0090	.1900	.1400	.0500	.0800	.0100	.0080	.0030
B	V	N								
.0003	.0010	.0074								
Mechanical - Tag Detail										
	DIAs	UTSs								
418550011A	.566	60811								
418550011B	.566	60811								
418550021A	.564	60849								
418550021B	.564	60849								
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