



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
089546

HEAT NUMBER
A12581

SALES ORDER / RLS
057142 / 4

CERT ID / REV
00049755 / 01

SOLD TO

G & R Forging
7072 Smith Industrial Drive
McGregor, ON N0R 1J0
Canada

CUSTOMER P.O.	CUSTOMER PART	QUANTITY 8,262 lbs	COILS 2	LADING NO 00059630	SHIPMENT DATE 10/09/2013					
SPECIFICATION PIQ1018090-01M 9.00mm (0.3543") 1018 IQ, Clean/Coat, Clean/Lime (MOD), G&R Cold Forging, 7213.91.6000 Hot Rolled Rods Dia.<14.0mm (0.551"),Further Processed,Carbon < 0.60%										
CUSTOMER REQUIREMENTS										
Chemical (value of 9 = n/a)										
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al
.16	.66	.013	.011	.24	.20	.06	.12	.016	.010	.004
B	V	N								
.0001	.002	.0059								
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