



ISO 9001:2008, ISO 14001:2004 AND OHSAS 18001:2007 REGISTERED

SIVACO Ontario
 a Division of SIVACO Wire Group L.P.
 330 Thomas Street
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Physical Test Report

WORK ORDER
089729

HEAT NUMBER
W36103

SALES ORDER / RLS
057264 / 5

CERT ID / REV
00049998 / 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					
	12.00-1018	3,786 lbs	2	00059737	10/17/2013					
SPECIFICATION PIQ1018120-20										
12.00mm (0.4720") 1018 IQ, Clean/Coat, Clean/Lime, 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
.1500	.6700	.0080	.0100	.1900	.0200	.0500	.0400	.0060	.0030	.0030
B	V	N								
.0002	.0060	.0072								
Mechanical - Tag Detail										
	DIAs	UTSs								
68241221A	.473	70575								
68241221B	.473	70575								
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