



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

SIVACO Ontario
 a Division of SIVACO Wire Group L.P.
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 Ingersoll, Ontario CANADA
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Physical Test Report

WORK ORDER
090951

HEAT NUMBER
W33706

SALES ORDER / RLS
057725 / 9

CERT ID / REV
00051023 / 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					
	13.50-1018	4,038 lbs	2	00060240	11/19/2013					
SPECIFICATION PIQ1018135-16 13.50mm (0.531") 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
.1600	.7100	.0050	.0050	.2000	.0400	.0700	.0600	.0050	.0030	.0020
B	V	N								
.0001	.0080	.0049								
Mechanical - Tag Detail										
	DIAs	UTSs								
67480013A	.531	68172								
67480013B	.531	68172								
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