



SIVACO
ONTARIO
A HEICO COMPANY

ISO 9001:2000, 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
053846

HEAT NUMBER
A01448

SALES ORDER / RLS
032328 / 3

CERT ID / REV
00014453 / 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	6,575 lbs	2	00043174	06/04/2010					
SPECIFICATION PIQ1018135-16										
13.50mm (0.5310") 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	.7000	.0130	.0110	.1800	.1600	.0600	.1300	.0150	.0080	.0030
B	V	N								
.0000	.0010	.0061								
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: Graham Benoit, QA Manager