



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
080339

HEAT NUMBER
A09228

SALES ORDER / RLS
050929 / 1

CERT ID / REV
00041156 / 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					
		4,186 lbs	2	00055367	01/07/2013					
SPECIFICATION PCH104511.5-00										
11.50mm (0.4528") 1045 CHQ, CR ROD Clean /Coat, 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
.4700	.6500	.0070	.0120	.2200	.1200	.0500	.0900	.0190	.0100	.0070
B	V	N								
.0000	.0040	.0070								
Mechanical - Tag Detail										
	DIAs	UTSs								
351440101A	.451	112641								
351440101B	.451	112641								
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