



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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Physical Test Report

WORK ORDER
091569

HEAT NUMBER
A12948

SALES ORDER / RLS
057537 / 1

CERT ID / REV
00051468 / 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					
		4,142 lbs	2	00060436	12/02/2013					
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
.46	.65	.012	.005	.22	.15	.05	.10	.018	.009	.003
B	V	N								
.0000	.000	.0068								
Mechanical - Tag Detail										
	DIAs	UTSs								
68335116A	.454	115503								
68335116B	.454	115503								
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