



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
068966

HEAT NUMBER
A06907

SALES ORDER / RLS
042449 / 1

CERT ID / REV
00029926 / 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					
		12,634 lbs	6	00050122	11/29/2011					
SPECIFICATION PCH104512.0-00 12.00mm (0.4724") 1045 CHQ, 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
.4800	.6200	.0060	.0100	.2000	.1100	.0400	.0800	.0150	.0080	.0040
B	V	N								
.0000	.0000	.0062								
Mechanical - Tag Detail										
	DIAs	UTSs								
642721-12A	.468	113953								
642721-12B	.468	113953								
642721-2A	.469	113426								
642721-2B	.469	112847								
642721-3A	.469	112847								
642721-3B	.469	114583								
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