

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 **080339**

HEAT NUMBER A09611

SALES ORDER / RLS 050929 / 3 CERT ID / REV 00041130 / 01

SOLD TO

G & R Forging 7072 Smith Industrial Drive McGregor, ON N0R 1J0 Canada

CUSTOMER P.C	JSTOMER P.O. CUSTOMER PART				QUANTITY COILS LADING NO 6,274 lbs 3 00055340				SHIPMENT DATE 01/07/2013	
SPECIFICATION PCH104511.5-00 11.50mm (0.4528") 1045 CHQ, CR ROD Clean /Coat, Clean/Lime, G&R Cold Forging,										
CUSTOMER REC	QUIREMEN	TS								
				Chemical	(value of 9) = n/a)				
C .4600	Mn .6500	P .0100	s .0140	si .2000	Cu .1000	Ni .0500	Cr .0900	Mo .0150	Sn .0090	Al .0050
.0000	.0000	N .0047								
				Mechan	ical - Tag I	Detail				
372840011A 372840021A 372840021B		DIAS T .452 112 .449 110 .449 110)550							
				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