

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 **068972**

HEAT NUMBER W26597

SALES ORDER / RLS 042713 / 1 CERT ID / REV 00031582 / 01

SOLD TO

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

CUSTOMER P.O. CUSTOMER PART			QUANTITY 12,108 lbs				S LADING NO 6 00050868		SHIPMENT DATE 01/30/2012	
SPECIFICATION PCH1018143-11 14.30mm (0.5630") 1018 AKCHQ, Clean/Coat, Clean/Lime, G&R Cold Forging, 7213.99.0030 Hot Rolled Rods Dia.>=14.0mm (0.551") but <19.0mm (0.748"), Further Processed or Not										
CUSTOMER RE	QUIREMEN	TS								
				Chemical	(value of 9	= n/a)				
C .1900	Mn .7700	.0070		si .0600	Cu .0500	Ni .0800	Cr .0700	Mo .0040	Sn .0010	Al .0410
B .0001	v .0060	N .0039								
				Mechan	ical - Tag D	etail				
		DIAs	UTSs							
47232-10A			65773							
547232-10E 547232-11A			66991 68527							
547232-11E			68527							
547232-11E			66748							
547232-12E			66748							
				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