

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 **080857**

HEAT NUMBER W32408

SALES ORDER / RLS 051307 / 2 CERT ID / REV 00041570 / 01

SOLD TO

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

CUSTOMER P.C	P.O. CUSTOMER PART 13.00-1018				QUANTITY COILS LADING NO 15,948 lbs 8 00055542				SHIPMENT DATE 01/18/2013	
SPECIFICATION PIQ1018130-12 13.00mm (0.5118") 1018 IQ, Clean/Coat, Clean/Lime, G&R Cold Forging, 7213.91.6000 Hot Rolled Rods Dia.<14.0mm (0.551"),Further Processed,Carbon < 0.60% CUSTOMER REQUIREMENTS										
C .1600	Mn .6800	P .0120	.0060	si .2000	Cu .0300	Ni .0400	Cr .0400	Mo .0110	Sn .0030	A1 .0020
.0002	v .0050	N .0049								
				Mechan	ical - Tag [Detail				
410060011A 410060011B 410060021A 410060031A 410060031B 410060041A 410060041B		DIAS .510 .510 .508 .508 .510 .510 .510	UTSs	End of	² 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