

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 **087615**

HEAT NUMBER A12533

SALES ORDER / RLS 051991 / 1 CERT ID / REV 00047950 / 01

SOLD TO

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

CUSTOMER P.C	CR P.O. CUSTOMER PART 13.00-1018				QUANTITY COI			LS LADING NO 8 00058676		SHIPMENT DATE 08/15/2013	
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 RE	QUIREMEN	TS									
				Chemical	(value of 9) = n/a)					
C .1700	Mn .6400	P .0110	s .0120	si .2200	Cu .2000	Ni .0700	Cr .1100	Mo .0180	Sn .0090	A1 .0030	
.0000	v .0030	N .0076									
				Mechan	ical - Tag [Detail					
68010101A 68010101B 68010102A 68010103A 68010103B 68010104A 68010104B		DIAS .509 .509 .509 .509 .509 .509	UTSs	End of	f 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