

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 **069951**

HEAT NUMBER W26078

SALES ORDER / RLS 043429 / 4 CERT ID / REV 00030197 / 01

SOLD TO

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

CUSTOMER P.C	. CUSTOMER PART 12.00-1018				QUANTITY COILS LADING NO 20,096 lbs 5 00050225			SHIPMENT DATE 12/06/2011		
SPECIFICATION PIQ1018120-20M 12.00mm (0.4720") 1018 Mod. 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 .1600	Mn .6900	.0060		si .1900	Cu .0500	Ni .0700	Cr .0700	Mo .0030	Sn .0020	Al .0020
B .0002	v 0800.	N .0046								
				Mechan	ical - Tag [Detail				
643057-14 643057-15 643057-16 643057-17 643057-18		DIAS .466 .473 .467 .473	UTSs							
				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