

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 **078360** 

HEAT NUMBER A10348

SALES ORDER / RLS 049581 / 5 CERT ID / REV 00039245 / 01

SOLD TO

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

CUSTOMER P.O.	CUSTOMER PART 12.00-1018				QUANT <b>20,932</b>		10 00054		SHIPMENT DATE <b>10/21/2012</b>	
SPECIFICATION PIQ1018120-20 12.00mm (0.4720") 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 REQ	UIREMEN	TS								
			(	Chemical (	value of 9	= n/a)				
C .17	Mn .66	P .010	s .014	si .24	Cu .23	Ni .08	Cr .09	Mo .023	Sn .012	Al .004
.0000	V .001	N .0071								
				Mechanic	cal - Tag De	etail				
		DIAs U	JTSs							
363230061A		.469 71	.759							
363230061B			.759							
363230071A			3199							
363230071B			3199							
363230081A 363230081B			2674 2674							
363230081B			2917							
363230091A			2917							
363230101A			.759							
363230101B			.759							
				End of 0	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