

ISO 9001:2008, ISO 14001:2004 AND OHSAS 18001:2007 REGISTERED

SIVACO Ontario

a Division of SIVACO Wire Group L.P.

330 Thomas Street PO Box 220 Ingersoll, Ontario CANADA N5C 3K5

(519) 485-4150 Fax (519) 485-3039

Physical Test Report

WORK ORDER **079761**

HEAT NUMBER W31819

SALES ORDER / RLS 050550 / 4 CERT ID / REV 00040650 / 01

SOLD TO

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

CUSTOMER P.O		CUSTOMER PART 13.00-1018			QUANTITY 14,920 lbs			LADING NO 00055100		SHIPMENT DAT 12/10/2012	
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 REC	QUIREMEN	ITS									
				Chemical	(value of 9) = n/a)					
C .1600	Mn .7400	.0050		si .1700	Cu .0400	Ni .0500	.0	Cr 9400	Mo .0070	sn .0030	Al .0010
В .0002	v .0020	N .0043									
				Mechan	ical - Tag I	Detail					
396250011 396250031A 396250031B 396250041A 396250041B 396250051A 396250051B		DIAS .513 .511 .511 .512 .512 .512 .512	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