

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 086399

HEAT NUMBER A12350 SALES ORDER / RLS 055092 / 3 CERT ID / REV 00046874 / 01

SOLD TO

G & R Forging 7072 Smith Industrial Drive McGregor, ON NOR 1J0 Canada

CUSTOMER P.O. CUSTOMER PART 13.00-1018					QUAN 16,342		DILS LADII 8 000		SHIPMENT DATE 07/04/2013	
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	ITS								
				Chemical	(value of s	9 = n/a)				
C .1600	Mn .6900	P .0110		si .1800	Cu .2100	Ni .0800	Cr .1100	Mo .0180	Sn .0110	Al .0040
в .0000	v .0030	N .0064								
				Mechan	ical - Tag I	Detail				
67837301A 67837301B 67837302A 67837302B 67837303A 67837303B 67837304A 67837304B		DIAS .507 .510 .510 .512 .512 .509 .509	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