

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 **085634**

HEAT NUMBER A11477

SALES ORDER / RLS 054632 / 3 CERT ID / REV 00046059 / 01

SOLD TO

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

CUSTOMER P.O. CUSTOMER PART 12.00-1018				QUANTITY COILS LADI 16,464 lbs 8 0009			S LADING 8 00057			
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 REC	QUIREMEN	TS								
				Chemical (value of 9 =	= n/a)				
C .17	Mn.70	P .010	s .014	si .21	Cu .19	Ni .07	Cr .12	Mo .020	Sn .009	Al .005
.0000	v .006	N .0067								
				Mechanic	cal - Tag De	tail				
		DIAs	UTSs							
67405015A		.472								
67405015B		.472								
67405016A		.471								
67405016B		.471								
67405017A 67405017B		.469 .469								
67456101A		.472								
67456101B		.472								
				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