

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 062578 HEAT NUMBER **A04356** SALES ORDER / RLS **038282 / 4** CERT ID / REV **00022660 / 01**

SOLD TO

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

.O. CUSTOMER PART 13.50-1018								SHIPMENT DATI 03/16/2011	
.5310") 101	8 IQ, Clea						00		
EQUIREMENT	S								
Chemical (value of 9 = n/a)									
Mn .6700	Р .0090	s .0080	si .2100	Cu .1400	Ni .0500	Cr .0900	Mo .0170	Sn .0100	Al .0080
v .0010	N .0079								
			End of	^c Certification					
	1 N PIQ10 5310") 101 Rods Dia.< EQUIREMENT .6700 V	13.50-1018 N PIQ1018135-16 5310") 1018 IQ, Clea Rods Dia.<14.0mm (0 EQUIREMENTS Mm P .6700 .0090 V N	13.50-1018 N PIQ1018135-16 .5310") 1018 IQ, Clean/Coat, Cle Rods Dia.<14.0mm (0.551"),Fur EQUIREMENTS Mn P S .6700 .0090 .0080 V N	13.50-1018 IN PIQ1018135-16 .5310") 1018 IQ, Clean/Coat, Clean/Lime, G Rods Dia.<14.0mm (0.551"),Further Proce	13.50-1018 10,092 N PIQ1018135-16 .5310") 1018 IQ, Clean/Coat, Clean/Lime, G&R Cold I Rods Dia.<14.0mm (0.551"),Further Processed,Carbo	13.50-1018 10,092 lbs N PIQ1018135-16 .5310") 1018 IQ, Clean/Coat, Clean/Lime, G&R Cold Forging, 7 Rods Dia.<14.0mm (0.551"),Further Processed,Carbon < 0.60%	13.50-1018 10,092 lbs 3 00040 N PIQ1018135-16	13.50-1018 10,092 lbs 3 00046748 N PIQ1018135-16	13.50-1018 10,092 lbs 3 00046748 03/ NN PIQ1018135-16

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.

