

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 **082962**

HEAT NUMBER W33300

SALES ORDER / RLS 052838 / 5 CERT ID / REV 00043575 / 01

SOLD TO

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

				4,006	IDS	1 0005	0461	03/	/20/2013
			an/Lima (M		Cold Ford	ina 7212	01 6000		
•	•	•	•	, .		•	91.0000		
1003 Dia.					0.007				
EQUIREMENT	rs								
			Chemical	(value of 9	9 = n/a)				
Mn	P	s	si	Cu	Ni	Cr	Mo	Sn	Al
.6800	.0120	.0060	.1900	.0300	.0400	.0400	.0100	.0040	.0020
	N								
V	1/1								
	3543") 1018 Rods Dia.< EQUIREMENT	3543") 1018 IQ, Clean Rods Dia.<14.0mm (0 EQUIREMENTS	3543") 1018 IQ, Clean/Coat, Clear Rods Dia.<14.0mm (0.551"),Fur EQUIREMENTS	S543") 1018 IQ, Clean/Coat, Clean/Lime (MRods Dia.<14.0mm (0.551"),Further Proce EQUIREMENTS Chemical Mn P S Si	PIQ1018090-01M 8543") 1018 IQ, Clean/Coat, Clean/Lime (MOD), G&R Rods Dia.<14.0mm (0.551"),Further Processed,Carb EQUIREMENTS Chemical (value of S Mn P S Si Cu	PIQ1018090-01M 8543") 1018 IQ, Clean/Coat, Clean/Lime (MOD), G&R Cold Forg Rods Dia.<14.0mm (0.551"),Further Processed,Carbon < 0.60% EQUIREMENTS Chemical (value of 9 = n/a) Mn P S Si Cu Ni	PIQ1018090-01M 8543") 1018 IQ, Clean/Coat, Clean/Lime (MOD), G&R Cold Forging, 7213. Rods Dia.<14.0mm (0.551"),Further Processed,Carbon < 0.60% EQUIREMENTS Chemical (value of 9 = n/a) Mn P S Si Cu Ni Cr	PIQ1018090-01M 8543") 1018 IQ, Clean/Coat, Clean/Lime (MOD), G&R Cold Forging, 7213.91.6000 Rods Dia.<14.0mm (0.551"),Further Processed,Carbon < 0.60% EQUIREMENTS Chemical (value of 9 = n/a) Mn P S Si Cu Ni Cr Mo	PIQ1018090-01M 8543") 1018 IQ, Clean/Coat, Clean/Lime (MOD), G&R Cold Forging, 7213.91.6000 Rods Dia.<14.0mm (0.551"),Further Processed,Carbon < 0.60% EQUIREMENTS Chemical (value of 9 = n/a) Mn P S Si Cu Ni Cr Mo Sn

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