



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
089279

HEAT NUMBER
W36330

SALES ORDER / RLS
056950 / 1

CERT ID / REV
00049435 / 01

SOLD TO

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

CUSTOMER P.O.	CUSTOMER PART	QUANTITY	COILS	LADING NO	SHIPMENT DATE					
		12,716 lbs	3	00059521	10/01/2013					
SPECIFICATION PCH1018143-11 14.30mm (0.5630") 1018 AKCHQ, Clean/Coat, Clean/Lime, G&R Cold Forging, 7213.99.0030 Hot Rolled Rods Dia.>=14.0mm (0.551") but <19.0mm (0.748"), Further Processed or Not										
CUSTOMER REQUIREMENTS										
Chemical (value of 9 = n/a)										
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al
.1800	.7600	.0050	.0020	.0900	.0400	.0800	.0400	.0030	.0020	.0380
B	V	N								
.0001	.0050	.0038								
Mechanical - Tag Detail										
	DIAs	UTSs								
68150119	.559	67237								
68150120	.556	67957								
68150121	.558	67485								
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