

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 **088236**

HEAT NUMBER **A12060**

SALES ORDER / RLS 056342 / 1 CERT ID / REV 00048712 / 01

SOLD TO

Windsor Machine & Stamping (US) Ltd 26655 NorthLine Road Taylor, MI 48180 United States Attn: Quality Assurance

CUSTOMER P.O. CUSTOMER PART SUB. FOR 15.0MM							LADING NO 00059004		SHIPMENT DATE 09/07/2013	
SPECIFICATIO 0.5910" (15.0 Non-Alloy W Diam. >= 1.5 Carbon < 0.2	0mm) 1018 /ire, Heat	Freated	R., Clean/I	Lime, Wind	dsor Mach	ine & Star	nping (US	, 7217.10.50	030	
CUSTOMER RE	EQUIREMEN ⁻	гs								
				Chemical	(value of 9	9 = n/a)				
C .1700	Mn .6800	P .0100	s .0130	si .2500	Cu .2000	Ni .0700	Cr .0800	Mo .0210	Sn .0100	Al .0050
.0000	v .0010	N .0068								
				Mechan	ical - Sum	mary				
TEST Diameter (inch)			<u>UNITS</u> in			<u>нідн</u> . 591		<u>LOW</u> .591	<u>AVERAGE</u> 0.591	
Tensile (psi)		i	psi			71455		70361	70928	
				End of	f 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