

ISO 9001:2008, ISO 14001:2004 AND OHSAS 18001:2007 REGISTERED

SIVACO Ontario

a Division of SIVACO Wire Group L.P.

330 Thomas Street PO Box 220 Ingersoll, Ontario CANADA N5C 3K5

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Physical Test Report

WORK ORDER **091148**

HEAT NUMBER W33706

SALES ORDER / RLS 058177 / 7 CERT ID / REV 00051216 / 01

SOLD TO

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

Attn: Quality Assurance

CUSTOMER P.O. CUSTOMER PART TRIAL			QUANTITY 7,808 lb				DILS LADING NO 4 00060321		SHIPMENT DAT 11/22/2013		
SPECIFICATIO 0.5120" (13.0 Non-Alloy W Diam. >= 1.5 Carbon < 0.2	0048mm) 1 /ire, Not Ho imm (0.060	eat Treated	ect Draw,	Clean/Pho	s/Polymer	, Winds	or Ma	chine 8	ւ Stampin	g (US, 72 [,]	17.10.5090
CUSTOMER RE	EQUIREMENT	rs									
				Chemical	(value of 9	= n/a)					
.1600	Mn .7100	P .0050	s .0050	si .2000	Cu .0400	Ni .0700		Cr 0600	Mo .0050	sn .0030	Al .0020
в .0001	v .0080	N .0049									
				Mechan	ical - Sumı	mary					
TEST Diameter (inch)		<u>UNITS</u> in				<u>нідн</u> . 513			<u>LOW</u> .512		AVERAGE 0.513
Tensile (psi)		i	osi			75955			75279		75617
				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