

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 **070815**

HEAT NUMBER **A06978**

SALES ORDER / RLS 044037 / 5 CERT ID / REV 00031114 / 02

SOLD TO

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

CUSTOMER P.O. CUSTOMER PART **QUANTITY** COILS LADING NO SHIPMENT DATE 8,278 lbs 4 00050626 01/13/2012 PIQ101815.0-00 **SPECIFICATION** 15.00mm (0.5906") 1018 IQ, Clean/Coat, Clean/Lime, Windsor Machine & Stamping (US, 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 Μn P s Si Cu Νi \mathtt{Cr} MΩ Sn Al .64 .18 .21 .08 .011 .16 .013 .016 .023 .008 .004 В v N .0000 .001 .0085 **Mechanical - Summary HIGH AVERAGE TEST UNITS LOW** Diameter (inch) in .590 .586 0.588 71561 71626 Tensile (psi) 71690 psi **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