

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 076019

HEAT NUMBER A09499

SALES ORDER / RLS 047890 / 2 CERT ID / REV 00036640 / 01

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 16,580 lbs 8 00053289 07/18/2012 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 C11 Νi CrMΩ Sn Al .1500 .0110 .1900 .1700 .7600 .0150 .2000 .0700 .0230 .0090 .0040 В v N .0002 .0020 .0048 **Mechanical - Summary HIGH TEST UNITS** LOW **AVERAGE** Diameter (inch) .592 in .585 0.589 ??????????? ??????????? ??????????? Tensile (psi) 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