



SIVACO
ONTARIO
A HEICO COMPANY

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
(519) 485-4150 Fax (519) 485-3039

Physical Test Report

WORK ORDER
086300

HEAT NUMBER
W34218

SALES ORDER / RLS
055036 / 2

CERT ID / REV
00046890 / 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 7,814 lbs | COILS 4 | LADING NO 00058081 | SHIPMENT DATE 07/05/2013 | | | | | |
| SPECIFICATION PIQ101815.0-00 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 | Mn | P | S | Si | Cu | Ni | Cr | Mo | Sn | Al |
| .1600 | .6900 | .0050 | .0060 | .2000 | .0400 | .0700 | .0600 | .0040 | .0020 | .0020 |
| B | V | N | | | | | | | | |
| .0001 | .0040 | .0058 | | | | | | | | |
| Mechanical - Summary | | | | | | | | | | |
| <u>TEST</u> | <u>UNITS</u> | <u>HIGH</u> | <u>LOW</u> | <u>AVERAGE</u> | | | | | | |
| Diameter (inch) | in | ?????????????? | ?????????????? | ?????????????? | | | | | | |
| 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