

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 **062222** 

HEAT NUMBER **A04380** 

SALES ORDER / RLS 038038 / 3 CERT ID / REV 00022517 / 01

SOLD TO

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

| CUSTOMER P.C   | CUSTOMER PART 12.0mm 1018 KP |  |  |             |                            |             |             | S LADING NO<br>2 00046702 |             | SHIPMENT DATE <b>03/11/2011</b> |  |
|--|------------------------------|--|--|-------------|----------------------------|-------------|-------------|---------------------------|-------------|---------------------------------|--|
| SPECIFICATION PIQ1018120-24KP 12.00mm (0.4724") 1018 KP, 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<br>.1600   | Mn<br>.6500                  | .009   | s .0110  | si<br>.2100 | Cu<br>.1500                | Ni<br>.0600 | Cr<br>.0600 | Mo<br>.0160               | Sn<br>.0090 | Al<br>.0040                     |  |
| .0003  | v<br>.0020                   | .008   | N<br>5   |             |                            |             |             |                           |             |                                 |  |
|  |                              |  |  | Mechan      | ical - Tag [               | Detail      |             |                           |             |                                 |  |
| 062222-001<br>062222-003<br>062222-004<br>062222-005<br>062222-006<br>062222-007<br>062222-008<br>062222-009<br>062222-010<br>062222-011<br>062222-012   |                              | DIAS<br>.469<br>.469<br>.474<br>.470<br>.469<br>.471<br>.472<br>.471<br>.471<br>.472 | UTSs 71759 72917 70822 72046 71759 71183 71429 71757 71757 72000 72905 73775 |             |                            |             |             |                           |             |                                 |  |
|  |                              |  |  | End of      | <sup>f</sup> 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: Graham Benoit, QA Manager