



**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  
**070440**

HEAT NUMBER  
**A07341**

SALES ORDER / RLS  
**043770 / 1**

CERT ID / REV  
**00030765 / 01**

SOLD TO

**G & R Forging**  
**7072 Smith Industrial Drive**  
**McGregor, ON N0R 1J0**  
**Canada**

|                                                                                                    |               |                   |          |                 |                   |           |           |           |           |           |
|----------------------------------------------------------------------------------------------------|---------------|-------------------|----------|-----------------|-------------------|-----------|-----------|-----------|-----------|-----------|
| CUSTOMER P.O.                                                                                      | CUSTOMER PART | QUANTITY          | COILS    | LADING NO       | SHIPMENT DATE     |           |           |           |           |           |
|                                                                                                    |               | <b>12,436 lbs</b> | <b>3</b> | <b>00050491</b> | <b>01/04/2012</b> |           |           |           |           |           |
| SPECIFICATION <b>PIQ1018130-15M</b>                                                                |               |                   |          |                 |                   |           |           |           |           |           |
| <b>13.00mm (0.5118") 1018 IQ, Clean/Coat, Clean/Lime (MOD), G&amp;R Cold Forging, 7213.91.6000</b> |               |                   |          |                 |                   |           |           |           |           |           |
| <b>Hot Rolled Rods Dia.&lt;14.0mm (0.551"),Further Processed,Carbon &lt; 0.60%</b>                 |               |                   |          |                 |                   |           |           |           |           |           |
| CUSTOMER REQUIREMENTS                                                                              |               |                   |          |                 |                   |           |           |           |           |           |
| <b>Chemical (value of 9 = n/a)</b>                                                                 |               |                   |          |                 |                   |           |           |           |           |           |
| <b>C</b>                                                                                           | <b>Mn</b>     | <b>P</b>          | <b>S</b> | <b>Si</b>       | <b>Cu</b>         | <b>Ni</b> | <b>Cr</b> | <b>Mo</b> | <b>Sn</b> | <b>Al</b> |
| .1600                                                                                              | .7000         | .0100             | .0100    | .2300           | .1800             | .0700     | .0900     | .0260     | .0090     | .0080     |
| <b>B</b>                                                                                           | <b>V</b>      | <b>N</b>          |          |                 |                   |           |           |           |           |           |
| .0000                                                                                              | .0040         | .0073             |          |                 |                   |           |           |           |           |           |
| 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