



**SIVACO**  
ONTARIO  
A HEICO COMPANY

ISO 9001:2000, 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  
**055679**

HEAT NUMBER  
**A02046**

SALES ORDER / RLS  
**033555 / 1**

CERT ID / REV  
**00016396 / 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>13.00-1018</b> | <b>16,772 lbs</b> | <b>5</b> | <b>00044008</b> | <b>08/17/2010</b> |           |           |           |           |           |
| SPECIFICATION <b>PIQ1018130-12</b>   |                   |                   |          |                 |                   |           |           |           |           |           |
| <b>13.00mm (0.5118") 1018 IQ, Clean/Coat, Clean/Lime, 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> |
| .2000  | .7200             | .0190             | .0110    | .2000           | .2000             | .0800     | .1400     | .0190     | .0170     | .0040     |
| <b>B</b>   | <b>V</b>          | <b>N</b>          |          |                 |                   |           |           |           |           |           |
| .0000  | .0020             | .0069             |          |                 |                   |           |           |           |           |           |
| 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: Graham Benoit, QA Manager