

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 086197

HEAT NUMBER A11557 SALES ORDER / RLS 054978 / 4 CERT ID / REV 00046726 / 01

SOLD TO

G & R Forging 7072 Smith Industrial Drive McGregor, ON NOR 1J0 Canada

| CUSTOMER P.O. CUSTOMER PART |                            |                           |            |             | QUANTITY COILS LADING NO<br>16,604 lbs 8 00058024 |             |             |             | SHIPMENT DATE<br>06/26/2013 |             |
|-----------------------------|----------------------------|---------------------------|------------|-------------|---|-------------|-------------|-------------|-----------------------------|-------------|
| SPECIFICATION               |                            | 104511.5-00<br>45 CHQ, CF |            | an /Coat, ( | Clean/Lime  | , G&R Col   | d Forging   | I.          |                             |             |
| CUSTOMER RE                 | QUIREMEN                   | TS                        |            |             |   |             |             |             |                             |             |
|                             |                            |                           |            | Chemical    | (value of s                                       | 9 = n/a)    |             |             |                             |             |
| C<br>.4700                  | Mn<br>.6700                | P<br>.0060                | s<br>.0180 | si<br>.2000 | Cu<br>.0800                                       | Ni<br>.0400 | Cr<br>.0800 | Mo<br>.0110 | Sn<br>.0070                 | Al<br>.0040 |
| в<br>.0002                  | v<br>.0040                 | N<br>.0057                |            |             |   |             |             |             |                             |             |
|                             |                            |                           |            | Mechan      | ical - Tag I                                      | Detail      |             |             |                             |             |
|                             |                            |                           | JTSs       |             |   |             |             |             |                             |             |
| 67556401A                   | .453 111042                |                           |            |             |   |             |             |             |                             |             |
| 67556401B                   | .453 111042<br>.454 111180 |                           |            |             |   |             |             |             |                             |             |
| 67556402A<br>67556402B      | .454 111180                |                           |            |             |   |             |             |             |                             |             |
| 67556403A                   |                            |                           |            |             |   |             |             |             |                             |             |
| 67556403B                   |                            |                           |            |             |   |             |             |             |                             |             |
| 67556404A                   |                            |                           |            |             |   |             |             |             |                             |             |
| 67556404B                   |                            | .450 110                  |            |             |   |             |             |             |                             |             |
|                             |                            |                           |            | End of      | f 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