



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
090695

HEAT NUMBER
A13133

SALES ORDER / RLS
056821 / 1

CERT ID / REV
00051089 / 01

SOLD TO

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

| | | | | | | | | | | |
|---|---------------|-------------------------------|-------------------|------------------------------|------------------------------------|-----------|-----------|-----------|-----------|-----------|
| CUSTOMER P.O. stock | CUSTOMER PART | QUANTITY 19,720 lbs | COILS 5 | LADING NO 00060275 | SHIPMENT DATE 11/20/2013 | | | | | |
| SPECIFICATION PIQ101814.3-03S 14.30mm (0.5630") 1018 KP, Stress Relieve, Clean/Lime, G&R Cold Forging, | | | | | | | | | | |
| CUSTOMER REQUIREMENTS | | | | | | | | | | |
| Chemical (value of 9 = n/a) | | | | | | | | | | |
| C | Mn | P | S | Si | Cu | Ni | Cr | Mo | Sn | Al |
| .1600 | .6900 | .0080 | .0130 | .2100 | .1500 | .0700 | .0500 | .0290 | .0080 | .0050 |
| B | V | N | | | | | | | | |
| .0000 | .0020 | .0084 | | | | | | | | |
| Mechanical - Tag Detail | | | | | | | | | | |
| | DIAs | UTSs | | | | | | | | |
| 68460602 | .557 | 63603 | | | | | | | | |
| 68460603 | .562 | 62475 | | | | | | | | |
| 68460605 | .564 | 62050 | | | | | | | | |
| 68460606 | .556 | 62191 | | | | | | | | |
| 68460607 | .562 | 62475 | | | | | | | | |
| 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