

ISO 9001:2008, ISO 14001:2004 AND OHSAS 18001:2007 REGISTERED

SIVACO Ontario

a Division of SIVACO Wire Group L.P.

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(519) 485-4150 Fax (519) 485-3039

Physical Test Report

WORK ORDER **085665**

HEAT NUMBER W33303

SALES ORDER / RLS 054650 / 1 CERT ID / REV 00046274 / 01

SOLD TO

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

| CUSTOMER P.O. | CUSTOMER PART | | | | QUANTI 16,188 lk | | S LADING 8 00057 | - | SHIPMENT DATE 06/13/2013 | |
|--------------------------------------|---------------|-----------------------------|------------|------------|----------------------------|-----------|---------------------|------------|---------------------------------|------------|
| SPECIFICATION 0.4720" (11.988 | | 10180.472-0 1018 IQ, Dir | | Clean/Lime | e, G&R Cold | Forging | | | | |
| CUSTOMER REQU | JIREMEN | TS | | | | | | | | |
| | | | (| Chemical (| value of 9 = | n/a) | | | | |
| C .17 | Mn .68 | P .006 | s .010 | si .20 | Cu .04 | Ni .07 | Cr .06 | Mo .004 | Sn .002 | Al .002 |
| • ± 7 | .00 | .000 | .010 | • 20 | .04 | .07 | •00 | .004 | .002 | .002 |
| В | v | N | | | | | | | | |
| .0001 | .005 | .0032 | | | | | | | | |
| | | | | Mechanic | al - Tag Det | tail | | | | |
| | | DIAs U | TSs | | | | | | | |
| 426120011AR | | | 286 | | | | | | | |
| 426120011BR | | | 608 | | | | | | | |
| 426120051AR | | | 286 | | | | | | | |
| 426120051BR | | | 286 | | | | | | | |
| 426120081AR | | | 286 | | | | | | | |
| 426120091AR | | | 183 | | | | | | | |
| 426120101AR | | | 183 286 | | | | | | | |
| 426120101BR | | .4/2 /0 | 200 | | | | | | | |
| | | | | End of 0 | Certification | | | | | |
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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