



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
073425

HEAT NUMBER
A08478

SALES ORDER / RLS
045954 / 1

CERT ID / REV
00034616 / 01

SOLD TO

Windsor Machine & Stamping (US) Ltd
26655 NorthLine Road
Taylor, MI 48180
United States
Attn: Quality Assurance

| | | | | | | | | | | |
|--|---------------------------------|------------------------------|-------------------|------------------------------|------------------------------------|-----------|-----------|-----------|-----------|-----------|
| CUSTOMER P.O. | CUSTOMER PART Polymer | QUANTITY 6,496 lbs | COILS 3 | LADING NO 00052323 | SHIPMENT DATE 05/03/2012 | | | | | |
| SPECIFICATION WCH1541565-06 0.5650" (14.351mm) 1541 CHQ, SAFS, Clean/Phos/Polymer, Windsor Machine & Stamping Ltd, 7217.10.8010 Non-Alloy Wire, Heat Treated C=>0.25% and < 0.60% | | | | | | | | | | |
| CUSTOMER REQUIREMENTS | | | | | | | | | | |
| Chemical (value of 9 = n/a) | | | | | | | | | | |
| C | Mn | P | S | Si | Cu | Ni | Cr | Mo | Sn | Al |
| .3700 | 1.4000 | .0090 | .0140 | .2000 | .1500 | .0600 | .1000 | .0180 | .0080 | .0020 |
| B | V | N | | | | | | | | |
| .0000 | .0010 | .0084 | | | | | | | | |
| Mechanical - Summary | | | | | | | | | | |
| <u>TEST</u> | <u>UNITS</u> | <u>HIGH</u> | <u>LOW</u> | <u>AVERAGE</u> | | | | | | |
| Diameter (inch) | in | .565 | .565 | 0.565 | | | | | | |
| Tensile (psi) | psi | ??????????????? | ????????????????? | ????????????????? | | | | | | |
| 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