



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
054071

HEAT NUMBER
W19164

SALES ORDER / RLS
032492 / 4

CERT ID / REV
00015550 / 01

SOLD TO

Thomson Fasteners Inc.
290 Fourth St
Gananoque, ON K7G 2W9
Canada
Attn: Quality Assurance

CUSTOMER P.O. 69142	CUSTOMER PART .430 10B22 Single Anneal	QUANTITY 8,696 lbs	COILS 6	LADING NO 00043640	SHIPMENT DATE 07/19/2010					
SPECIFICATION WCH10B220430-02 0.4300" (10.9mm) 10B21 SIAKCHQ, SAFS, Clean/Hvy.Phos/Polymer, Thomson Fasteners Inc., 7213.91.6000 Hot Rolled Rods Dia.<14.0mm (0.551"),Further Processed,Carbon < 0.60%										
CUSTOMER REQUIREMENTS This chemistry meets SAE J403 10B21 & 10B22										
Chemical (value of 9 = n/a)										
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al
.2200	.8100	.0040	.0020	.2300	.0400	.0700	.0700	.0020	.0030	.0450
B	V	N								
.0023	.0090	.0057								
Mechanical - Tag Detail										
	DIAs	UTSs								
054071-001A	.430	63774								
054071-001B	.430	64050								
054071-002A	.429	64775								
054071-002B	.429	64360								
054071-003A	.430	64876								
054071-003B	.429	64775								
End of Certification						<div style="border: 1px solid black; padding: 5px; display: inline-block;">APPROVED</div> <i>OM</i> 07/19/10				
SHOULDER BOLT 100-5837 Lot # 68769.										

I attest that the results are a true and correct copy of the records prepared and maintained by SIVACO 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