

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 068957

HEAT NUMBER A06512 SALES ORDER / RLS

042712 / 4 CERT ID / REV 00029070 / 02

SOLD TO

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

CUSTOMER P.O. CUSTOMER PART 12.00-1018				QUANTITY COILS 12,462 lbs 3			6 NO <b>744</b>	SHIPMENT DATE 10/27/2011		
SPECIFICATION PIQ1018120-20M 12.00mm (0.4720") 1018 Mod. IQ, Clean/Coat, Clean/Lime, G&R Cold Forging, 7213.91.6000 Hot Rolled Rods Dia.<14.0mm (0.551"),Further Processed,Carbon < 0.60%										
CUSTOMER REC		TS								
			(	Chemical (	value of 9 =	n/a)				
C .160	Mn .83	P .013		Si .25	Cu .17	Ni .07	Cr .11	Mo .020	Sn .009	Al .006
B .0001	v .001	N .0084								
				Mechanic	al - Tag Det	ail				
638133-19 638133-2 638133-20		DIAS .470 .467 .469	UTSS							
				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