

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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Physical Test Report

WORK ORDER **063179**

HEAT NUMBER **A04688**

SALES ORDER / RLS 038680 / 3 CERT ID / REV 00023131 / 01

SOLD TO

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

CUSTOMER P.O. CUSTOMER PART 12.0mm 1018 KP				QUANTITY CO 23,482 lbs		OILS LADING NO 7 00046948		SHIPMENT DATE 04/01/2011	
24") 101	8 KP, C	Clean/Coat, C						.99.0030	
IREMENT	s								
			Chemical	(value of 9) = n/a)				
Mn 6700			si .2100	Cu .1200	Ni .0500	Cr .0400	Mo .0170	sn .0080	A1 .0000
V 0000									
			Mechan	ical - Tag I	Detail				
	DIAS .474 .473 .472 .472 .473 .471 .468	UTSS 70822 71713 73143 71429 73421 73479 74419	End of	Certification					
	PIQ1024") 101 Is Dia.> IREMENT Mn 6700	PIQ1018120- 24") 1018 KP, C Is Dia.>=14.0m IREMENTS Mn 6700 .007 V 0000 .007 DIAS .474 .473 .472 .472 .473 .471	PIQ1018120-24KP 24") 1018 KP, Clean/Coat, Cls Dia.>=14.0mm (0.551") but IREMENTS Mn	PIQ1018120-24KP 24") 1018 KP, Clean/Coat, Clean/Lime, Is Dia.>=14.0mm (0.551") but <19.0mm IREMENTS Chemical Mn P S Si 6700 .0070 .0080 .2100 V N 0000 .0074 Mechan DIAS UTSS .474 70822 .473 71713 .472 73143 .472 73143 .472 73143 .472 71429 .473 73421 .471 73479 .468 74419	PIQ1018120-24KP 24") 1018 KP, Clean/Coat, Clean/Lime, Windsor M Is Dia.>=14.0mm (0.551") but <19.0mm (0.748"), F Chemical (value of Section 1.200	12.0mm 1018 KP 23,482 lbs PIQ1018120-24KP 24") 1018 KP, Clean/Coat, Clean/Lime, Windsor Machine & Is Dia.>=14.0mm (0.551") but <19.0mm (0.748"), Further Pr IREMENTS Chemical (value of 9 = n/a) Mn P S Si Cu Ni 6700 .0070 .0080 .2100 .1200 .0500 V N 0000 .0074 Mechanical - Tag Detail DIAS UTSS .474 70822 .473 71713 .472 73143 .472 73143 .472 73143 .472 71429 .473 73421 .471 73479 .468 74419	12.0mm 1018 KP 23,482 lbs 7 00046 PIQ1018120-24KP 24") 1018 KP, Clean/Coat, Clean/Lime, Windsor Machine & Stamping Is Dia.>=14.0mm (0.551") but <19.0mm (0.748"), Further Processed of IREMENTS Chemical (value of 9 = n/a) Mn P S Si Cu Ni Cr 6700 .0070 .0080 .2100 .1200 .0500 .0400 V N 0000 .0074 Mechanical - Tag Detail DIAS UTSS .474 70822 .473 71713 .472 73143 .472 73143 .472 731429 .473 73421 .471 73479 .468 74419	12.0mm 1018 KP PIQ1018120-24KP P4") 1018 KP, Clean/Coat, Clean/Lime, Windsor Machine & Stamping (US, 7213) Is Dia.>=14.0mm (0.551") but <19.0mm (0.748"), Further Processed or Not Chemical (value of 9 = n/a)	12.0mm 1018 KP

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: Graham Benoit, QA Manager