



CERTIFICATE OF TESTS
"OPEN DIE DIVISION"

Form 20B Rev N/C

MATERIAL: SA 182 F316, NACE MRO175

TO: ATLANTIS INDUSTRIES INC
6710 30TH STREET SOUTHEAST
CALGARY, ALBERTA
T2C 1N9

DATE: March 17, 2011

SPECIFICATIONS:

SA 182 F316, NACE MRO175

CANFORGE ORDER No. 7085-001

CONDITION: WATER QUENCHED @ 1900°F

CUSTOMER P.O. No. 0001510

G17102 16" RTJ.

Chemical Analysis

Cust. Item No.	QTY.	PRODUCT DESCRIPTION	Heat No.	C	Mn	P	S	Si	Cr	Ni	Mo				
	2	DISCS, MACHINED WITH ALLOWANCE	G17102	.024	1.85	.024	.004	.25	16.46	10.24	2.09				
		TO FINISH TO:													
		25 1/8 DIA x 6 1/8 TH													

Mechanical Tests

Cust. Item No.	Heat No.	Yield Strength PSI	Tensile Strength PSI	Elongation %	Reduction of Area %	Charpy V Ft.-Lbs.	Temp.	Hardness
	G17102	35,500	76,000	51.5%	76.3%			

Non-Destructive Tests

Ultrasonic	Magnetic Particle	Liquid Penetrant

REMARKS:

ALL RELEVANT DOCUMENTS ARE AVAILABLE UPON CUSTOMER REQUEST. SHIPMENT IS IN COMPLIANCE WITH ALL PURCHASE ORDER REQUIREMENTS. WE HEREBY CERTIFY THAT THE ABOVE RESULTS WERE OBTAINED BY TESTING IN ACCORDANCE WITH THE SPECIFICATIONS.

[Signature]
SIGNATURE OF AUTHORIZED QUALITY CONTROL REPRESENTATIVE
CANADA FORGINGS INC.