



10694 0002 PELLUS MANUFACTURING
 7045 INDUSTRIAL DRIVE
 BOX 208
 COMBER (ON) N0P 1J0

ATTENTION : Bernie Dupuis

FAX : (519) 687-6337

MILL TEST CERTIFICATE

IVACO ROLLING MILLS LP

A HEICO COMPANY

P.O. BOX 322, L'ORIGINAUX, ONTARIO, CANADA K0B 1K0
 TEL.: (613) 875-4671 FAX: (613) 875-8866



Lab Code 200143-0

P.O. Number PEL3-035	Order Number 20020769	Heat Number A93095	Customer Spec. 1018	Spec. Rev. No.	Date Rolled 02-Jun-2008	Customer Part No.	Billet Order 266099	Date Chemical Analysis Performed 31-May-2008	Grade 1018 ISQ	Diameter 15.00 mm
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Heat Analysis

	C	Min	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	N	B	V
Spec. Min *	.15	.60												
Actual	.16	.67	.013	.015	.18	.19	.11	.150	.023	.009	.004	.0061	.0000	.001
Spec. Max *	.20	.90	.040	.050										

This is to certify that heat number A93095 is in conformance with the required specifications.

Heat analysis obtained by test methods ASTM E415 and ASTM E1019.
 *Minimum and maximum refer to the required customer specification.
 This is to certify that the material is in conformance with the required specifications.
 Radioactive emissions are at background levels.

Wiberg

APPROVED BY :

Supervisor, Chemistry Laboratory and Billet Inspection

ISSUED BY QUALITY ASSURANCE :

Date: 3 Jun 2008

Specification Clerk

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