



MILL TEST CERTIFICATE

IVACO ROLLING MILLS LP
A HELCO COMPANY

P.O. BOX 322, L'ORIGINAL, ONTARIO, CANADA K0B 1K0
TEL.: (613) 675-4671 FAX: (613) 675-6866

10727 0002 WINDSOR MACHINE & STAMPING

7045 INDUSTRIAL DRIVE
BOX 208
COMBER (ON) N0P 1J0



NVLAP
Lab Code 200143-0

ATTENTION : Bernie Dupuis

FAX : (519) 687-6337

P.O. Number	Order Number	Heat Number	Customer Spec.	Spec Rev. No.	Customer Part No.	Billet Order	Grade	Diameter
PEL3-035	20021772	W15509	1018			280177	1018 ISQ	15.00 mm

Date Rolled 22-Jun-2009 Date Chemical Analysis Performed 06-Jun-2009

Heat Analysis

	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	N	B	V
Spec. Min*	.15	.60												
Actual	.15	.74	.005	.012	.19	.04	.07	.080	.003	.002	.002	.0027	.0001	.007
Spec. Max*	.20	.90	.040	.050										

This is to certify that heat number W15509 is in conformance with the required specifications.

This report contains analysis data that were produced under subcontract by laboratory QIT Fer et Titane, A2LA certificate number 0429-01.

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.

APPROVED BY :

Wiberg

ISSUED BY QUALITY ASSURANCE : Elaine Demers
Date: 24 Jun 2009
Specification Clerk

Supervisor, Chemistry Laboratory and Billet Inspection
This Certificate shall not be reproduced except in full, without the written approval of Ivaco Rolling Mills LP, a Helco Company. This certificate is not to be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. NVLAP only covers the chemistry presented within this certificate. All other data is not covered by the NVLAP accreditation.