



Carondelet Division

8600 Commercial Blvd. - Pevely, MO 63070 USA
Phone: 636-479-4499 - Fax: 636-479-3399

Material Test Report

ENERGY INDUSTRIES OF OHIO

Purchase Order Number PPPL-FP-LTS-2

Pattern Number MCWF-A6 Coil

CAF Metal Designation CF8MNMnMod

Material Spec CF8MNMnMOD

Cert Number 176210-1

Pour Date 1/31/2006

Weighted average of 3 heats - Ladle 1 #32219 (41%), Ladle 2 #32266 (22%), Ladle 3 #32269 (37%) Total Weight 32545 lbs.

Element	Min	Actual	Max
C	0.04	0.04	0.07
MN	2.3	2.7	2.8
SI	0.0	0.3	0.7
CR	18.0	18.3	18.5
NI	13.0	13.2	13.5
MO	2.1	2.3	2.5
P	0.0	0.025	0.035
S	0.0	0.012	0.025
N	0.24	0.26	0.28

*Over specification, see CA 1536.

Comparison to WC Analysis

All analysis at CAF was performed after the preventive maintenance.

Lab	I.D.	Sample	C	Si	Mn	Cr	Ni	Mo	N	P	S
Ladle #1											
CAF	32219	Button #1	0.04	0.2	2.8	18.3	13.1	2.4	0.25	0.023	0.012
CAF	32219	Button #2	**	0.2	2.8	18.2	13.2	2.4	**	0.023	0.020
WC	32219	Button #2	**	0.2	2.6	18.0	13.2	2.4	**	0.023	0.022
Ladle #2											
CAF	32266	Button #1	0.04	0.4	2.7	18.4	13.2	2.3	0.26	0.029	0.011
CAF	32266	Button #2	**	0.4	2.7	18.4	13.3	2.3	**	0.030	0.020
WC	32266	Button #2	**	0.4	2.5	18.3	13.3	2.3	**	0.031	0.026
Ladle #3											
CAF	32269	Button #1	0.04	0.3	2.7	18.2	13.3	2.3	0.26	0.026	0.012
CAF	32269	Button #2	**	0.3	2.7	18.2	13.4	2.3	**	0.027	0.021
WC	32269	Button #2	**	0.3	2.5	18.0	13.4	2.3	**	0.027	0.025

Respectfully Submitted,
Charles A. Ruud
Quality Assurance Manager

Superior Quality Engineered Metal Products

www.MetalTekInt.Com