



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-A1

CAF Metal Designation CF8MNMnMod

Material Spec CF8MNMnMOD

Ladle#1 Heat 29516

Cert Number 169470-1

Pour Date 5/24/2005

Element	Min	Actual	Max
C	0.04	0.04	0.07
MN	2.3	2.5	2.8
SI	0.0	0.5	0.5
CR	18.0	18.3	18.5
NI	13.0	13.4	13.5
MO	2.1	2.4	2.5
P	0.0	0.002	0.015
S	0.0	0.004	0.015
N	0.24	0.25	0.28

A handwritten signature in black ink, appearing to read "C. Ruud".

Respectfully Submitted,
Charles A. Ruud
Quality Assurance Manager

Superior Quality Engineered Metal Products

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Purchase Order Number PPPL-FP-LTS-2

Pattern Number MCWF-A1

CAF Metal Designation CF8MNMnMod

Material Spec CF8MNMnMOD

Ladle#2 Heat 29517

Cert Number 169470-1

Pour Date 5/24/2005

Element	Min	Actual	Max
C	0.04	0.05	0.07
MN	2.3	2.4	2.8
SI	0.0	0.4	0.5
CR	18.0	18.2	18.5
NI	13.0	13.3	13.5
MO	2.1	2.4	2.5
P	0.0	0.001	0.015
S	0.0	0.004	0.015
N	0.24	0.26	0.28

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Respectfully Submitted,
Charles A. Ruud
Quality Assurance Manager

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ENERGY INDUSTRIES OF OHIO

Purchase Order Number PPPL-FP-LTS-2

Pattern Number MCWF-A1

CAF Metal Designation CF8MNMnMod

Material Spec CF8MNMnMOD

Ladle#3 Heat 29519

Cert Number 169470-1

Pour Date 5/24/2005

Element	Min	Actual	Max
C	0.04	0.04	0.07
MN	2.3	2.4	2.8
SI	0.0	0.4	0.5
CR	18.0	18.2	18.5
NI	13.0	13.3	13.5
MO	2.1	2.3	2.5
P	0.0	0.001	0.015
S	0.0	0.005	0.015
N	0.24	0.26	0.28

A handwritten signature in black ink, appearing to read "C. Ruud".

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Charles A. Ruud
Quality Assurance Manager

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ENERGY INDUSTRIES OF OHIO

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Pattern Number MCWF-A1

CAF Metal Designation CF8MNMnMod

Material Spec CF8MNMnMOD

Cert Number 169470-1

Pour Date 5/24/2005

Weighted average of 3 heats – 29516(39%),29517(23%),29519(38%) Total Weight 32422 lbs.

Element	Min	Actual	Max
C	0.04	0.04	0.07
MN	2.3	2.4	2.8
SI	0.0	0.4	0.5
CR	18.0	18.2	18.5
NI	13.0	13.3	13.5
MO	2.1	2.4	2.5
P	0.0	0.001	0.015
S	0.0	0.005	0.015
N	0.24	0.26	0.28

A handwritten signature in black ink, appearing to be "CAR" or similar, followed by a horizontal line.

Respectfully Submitted,
Charles A. Ruud
Quality Assurance Manager

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