



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 S005242-F CHG ORD 1

Pattern Number SE141-142 LONG

CAF Metal Designation CF8MNMnMod

Material Spec CF8MNMN MOD

Cert Number S82730-7

Pour Date 5/17/2006

Number of Pieces 4

Element	Min	Actual	Max
C	0.040	0.040	0.070
CR	18.000	18.100	18.500
MN	2.300	2.570	2.800
MO	2.100	2.170	2.500
N	0.240	0.280	0.280
NI	13.000	13.380	13.500
P	0.000	0.020	0.035
S	0.000	0.010	0.025
SI	0.000	0.210	0.700

The certificate is produced with EDP and valid without signature.

A handwritten signature in black ink, appearing to read "CAR", likely representing Charles A. Ruud.

Respectfully Submitted,
Charles A. Ruud
Quality Assurance Manager

Superior Quality Engineered Metal Products

www.MetalTekInt.Com



Carondelet Division

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Certificate of Conformance

ENERGY INDUSTRIES OF OHIO

Order Number S005242-F CHG ORD 1

Pattern SE141-142 LONG

ASTM Metal CF8MNMN MOD

Date 6/1/2006

Cert Number

S82730-7

A handwritten signature in black ink, appearing to read "CAR", located in the lower right quadrant of the page.

We certify that we have complied in accordance with the drawings(s) and specifications(s) listed on the above purchase order. The articles furnished were made and/or processed from parts and/or materials in accordance with all applicable drawings(s) and specifications(s) pursuant to the afore mention purchase order.

Respectfully Submitted,
Charles A. Ruud
Quality Assurance Manager

Superior Quality Engineered Metal Products

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Final Inspection Report

Customer Name: ENERGY
INDUSTRIES OF
OHIO

Pattern: SE141-142 LONG

Order Number: S005242-F CHG ORD 1

ASTM Metal CF8MNMN MOD

Date 6/1/2006

Type Description	Cert Number	Procedure	Acceptance Criteria	Actual
Liquid Penetrant	S82730-7	CQP - 300	ASTM A903 Level II	Acceptable
Mag Perm	S82730-7	SOP Mag Perm 100 Rev 1	<1.02	Acceptable
Visual	S82730-7	CQP - 500	ASTM 802 Level 2	Acceptable

A handwritten signature in black ink, appearing to be "CAR" or similar, written in a cursive style.

Respectfully Submitted,
Charles A. Ruud
Quality Assurance Manager

Superior Quality Engineered Metal Products

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Material Test Report

ENERGY INDUSTRIES OF OHIO

Purchase Order Number 5005242-F CHG ORD-1

Cert Number S82730-8

Pattern Number SE141-142 LONG

Pour Date 5/22/2006

CAF Metal Designation CF8MNMnMod

Number of Pieces 4

Material Spec CF8MNMN MOD

Element	Min	Actual	Max
C	0.040	0.050	0.070
CR	18.000	18.100	18.500
MN	2.300	2.510	2.800
MO	2.100	2.240	2.500
N	0.240	0.260	0.280
NI	13.000	13.390	13.500
P	0.000	0.020	0.035
S	0.000	0.010	0.025
SI	0.000	0.190	0.700

The certificate is produced with EDP and valid without signature.

A handwritten signature in black ink, appearing to be "CAR" or similar, written in a cursive style.

Respectfully Submitted,
Charles A. Ruud
Quality Assurance Manager

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Certificate of Conformance

ENERGY INDUSTRIES OF OHIO

Order Number 5005242-F CHG ORD-1

Pattern SE141-142 LONG

ASTM Metal CF8MNMN MOD

Date 6/1/2006

Cert Number

S82730-8

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

We certify that we have complied in accordance with the drawings(s) and specifications(s) listed on the above purchase order. The articles furnished were made and/or processed from parts and/or materials in accordance with all applicable drawings(s) and specifications(s) pursuant to the afore mention purchase order.

Respectfully Submitted,
Charles A. Ruud
Quality Assurance Manager

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Final Inspection Report

Customer Name: ENERGY
INDUSTRIES OF
OHIO

Pattern: SE141-142 LONG

Order Number: 5005242-F CHG ORD-1

ASTM Metal CF8MNMN MOD

Date 6/1/2006

Type Description	Cert Number	Procedure	Acceptance Criteria	Actual
Liquid Penetrant	S82730-8	CQP - 300	ASTM A903 Level II	Acceptable
Mag Perm	S82730-8	SOP Mag Perm 100 Rev 1	<1.02	Acceptable
Visual	S82730-8	CQP - 500	ASTM 802 Level 2	Acceptable

A handwritten signature in black ink, appearing to be "CAR" or similar, written in a cursive style.

Respectfully Submitted,
Charles A. Ruud
Quality Assurance Manager

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MetalTek

INTERNATIONAL

RADIOGRAPHIC INTERPRETATION REPORT

CUSTOMER EIO		PURCHASE ORDER NUMBER 5005242-F CHG ORD 1				DATE 5-31-06		CONTROL NO. 43465		PAGE 1 of 1	
PART NO. SE-141-142-long		SPECIFICATION E446		CLASS See spec		TOTAL PIECES 11		PIECES ACCEPTED 11			
RADIOGRAPHED BY: M: [Signature]				INTERPRETED BY: M: [Signature]				ASNT LEVEL II			
FILM TYPE 80		MATERIAL CF8MN/MNMON		ISOTOPE IRIDIUM 192 COBALT 60 ✓				CODE ASTM E94 ✓ ASME MIL-STD-453			
		V I E W		P E N E		A C C E P T		R E J E C T		S H R I N K	
						I N C L U S I O N		P O R O S I T Y		L I N E A R	
								S U R F A C E		L O F / L O P	
M 582730										COMMENTS	
RT-64		A		25							
65		A									
66		A									
67		A									
68		A									
69		A									
70		A									
71		A									
72		A									
73		A									
✓ 74		A		✓							

