



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

Cert Number S82720-4

Pattern Number SE141-141 SHORT

Pour Date 4/7/2006

CAF Metal Designation CF8MNMnMod

Number of Pieces 12

Material Spec CF8MNMN MOD

Element	Min	Actual	Max
C	0.040	0.040	0.070
CR	18.000	18.120	18.500
MN	2.300	2.670	2.800
MO	2.100	2.220	2.500
N	0.240	0.250	0.280
NI	13.000	13.180	13.500
P	0.000	0.020	0.035
S	0.000	0.012	0.025
SI	0.000	0.160	0.700

The certificate is produced with EDP and valid without signature.

A handwritten signature in black ink, appearing to read "CAR", is positioned above the printed name of the Quality Assurance Manager.

Respectfully Submitted,
Charles A. Ruud
Quality Assurance Manager

Superior Quality Engineered Metal Products

www.MetalTekInt.Com



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Certificate of Conformance

ENERGY INDUSTRIES OF OHIO

Order Number S005242-F CHG ORD 1

Pattern SE141-141 SHORT

ASTM Metal CF8MNMN MOD

Date 5/11/2006

Cert Number

S82720-4

A handwritten signature in black ink, appearing to read "CAR", located above the signature block.

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: SE141-141 SHORT

Order Number: S005242-F CHG ORD 1

ASTM Metal CF8MNMN MOD

Date 5/11/2006

Type Description	Cert Number	Procedure	Acceptance Criteria	Actual
Liquid Penetrant	S82720-4	CQP - 300	ASTM A903 Level II	Acceptable
Mag Perm	S82720-4	SOP Mag Perm 100 Rev 1	<1.02	Acceptable
Visual	S82720-4	CQP - 500	ASTM 802 Level 2	Acceptable

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

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MetalTek International – Carondelet Division

SE 141-141 SHORT INSPECTION REPORT

Revision: Org Dated Issued:3-25-06 PAGE 2 of 2

[illegible]

Layout First Article Report approved:

Date: 5/10/08

Sample layout for balance of parts approved:

Date: 5/10/06

Inspection procedure

Acceptance criteria

FINAL VISUAL INSPECTION CQP-500 REV 4 MUST BE PERFORMED BY A VT - LEVEL II	VISUALLY INSPECT 100% of COMPONENT ACCORDING TO ASTM A802 LEVEL 2 ALL CONDITIONS.
FINAL L.P. CQP 0300 REV 10 MUST BE PERFORMED BY A LP - LEVEL II	100% OF COMPONENT. ACCEPTANCE PER ASTM A903. ACCEPTANCE CRITERIA-LEVEL 2 ALL AREAS. STAMP PART WITH A "P" TO INDICATE ACCEPTANCE OF VISUAL AND LP INSPECTION.
FINAL MAG PERM INSPECTION SOP MAG PERM 100, REV 1	PERFORM MAG PERM TESTING WITH SEVRIN GAUGE. ACCEPTANCE 1.02. CHECK THE ENTIRE SURFACE ON A 6"BY6" GRID. STAMP PART WITH A "G" TO INDICATE ACCEPTANCE OF MAG PERM INSPECTION.

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INTERNATIONAL

RADIOGRAPHIC INTERPRETATION REPORT

CUSTOMER EIO		PURCHASE ORDER NUMBER 5005242-F CHG ORD1			DATE 4-27-06		CONTROL NO. 43465		PAGE 1 of 4			
PART NO. SE141-141 Short		SPECIFICATION F446		CLASS see spec		TOTAL PIECES 64		PIECES ACCEPTED 64				
RADIOGRAPHED BY: <i>Midg</i>				INTERPRETED BY: <i>Midg</i>			ASNT LEVEL II					
FILM TYPE 80		MATERIAL LF8mm mod		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	COMMENTS
MS82720												
RT-13		25	25	✓								
14		✓	✓	✓								
15		✓	✓	✓								
16		✓	✓	✓								
17		✓	✓	✓								
18		✓	✓	✓								
19		✓	✓	✓								
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INTERNATIONAL

RADIOGRAPHIC INTERPRETATION REPORT

CUSTOMER ETO		PURCHASE ORDER NUMBER S 005242-F CHG ORD1				DATE 4-27-06		CONTROL NO. 43465		PAGE 2 of 4	
PART NO. SE141-141 SHORT		SPECIFICATION E446		CLASS see spec		TOTAL PIECES 64		PIECES ACCEPTED 64			
RADIOGRAPHED BY: M. J. St				INTERPRETED BY: M. J. St				ASNT LEVEL IP			
FILM TYPE 80		MATERIAL CF8mmmmmod		ISOTOPE IRIDIUM 192 <input checked="" type="checkbox"/> COBALT 60 <input checked="" type="checkbox"/>				CODE ASTM E94 <input checked="" type="checkbox"/> ASME <input type="checkbox"/> MIL-STD-453 <input type="checkbox"/>			
		VIEW		PENE		ACCEPT		REJECT		SHRINK	
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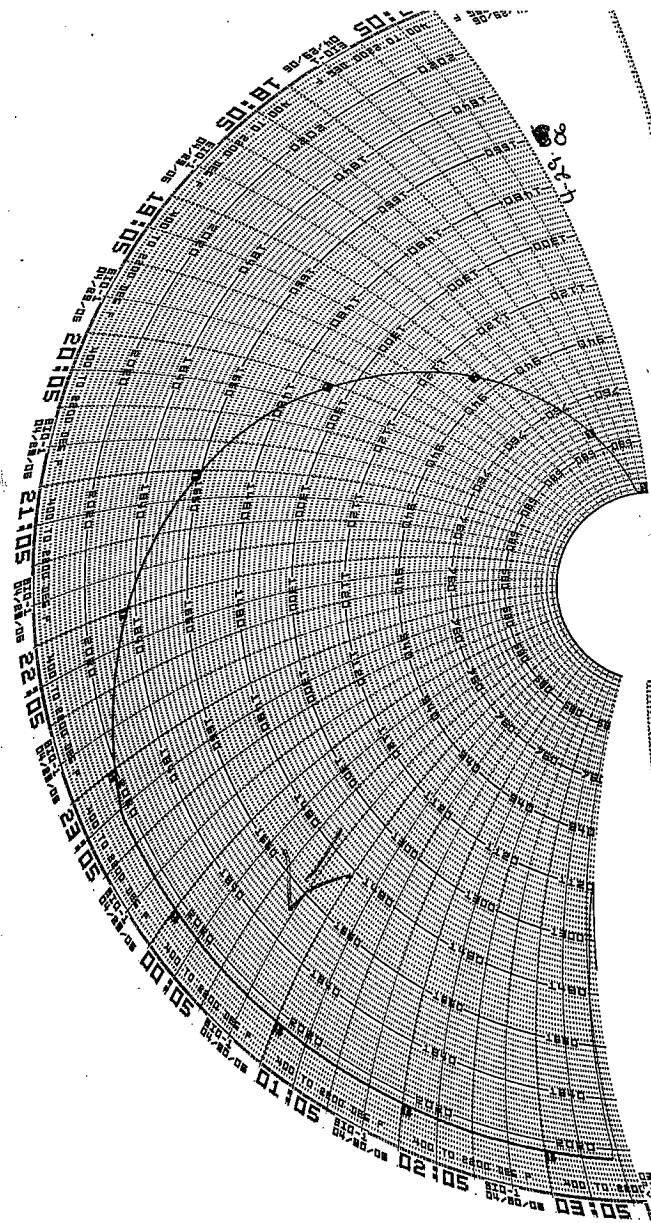
RADIOGRAPHIC INTERPRETATION REPORT

CUSTOMER EIO		PURCHASE ORDER NUMBER S 005242-F CHG 0001			DATE 4-27-06		CONTROL NO. 43465		PAGE 3064		
PART NO. SE 141-141 Short		SPECIFICATION E446		CLASS See spec		TOTAL PIECES 64		PIECES ACCEPTED 64			
RADIOGRAPHED BY: M. T. G. J.				INTERPRETED BY: M. T. G. J.			ASNT LEVEL II				
FILM TYPE 80		MATERIAL CF 18mmmmoc		ISOTOPE IRIDIUM 192 COBALT 60 Y			CODE ASTM E94 Y 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
MS62720											
RT-53		A	25	/							
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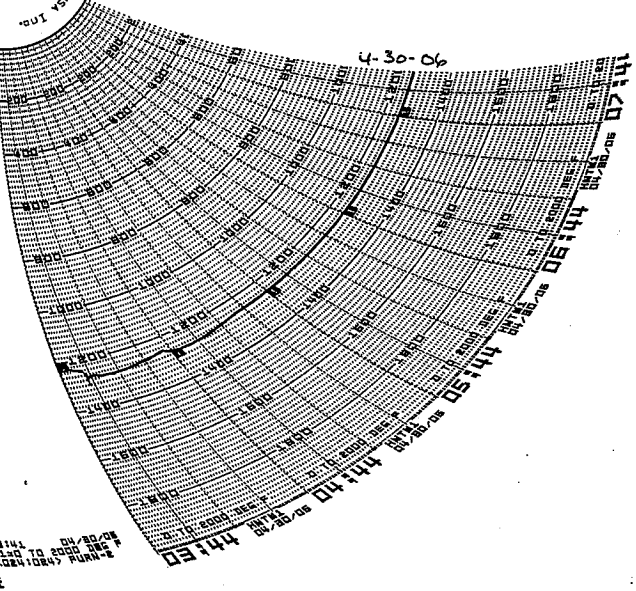
RADIOGRAPHIC INTERPRETATION REPORT

FORM CC034

E10 4-29-06
 SE 141-141 SHORT
 S82720-4
 12 Pcs.
 SE 141-142 LONG
 S82730-1 1 Pcs.
 S82730-4 5 Pcs.



Smith Chart
 P. 100
 USA Inc.



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4-30-06