



Carondelet Division

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

Material Test Report

ENERGY INDUSTRIES OF OHIO

Date: 2/3/2006

Purchase Order Number PPPL-FP-LTS-2
Pattern Number SE-141-073 Coil C-6 Shim S/N 6
CAF Metal Designation CF8MNMnMod
Material Spec CF8MNMnMOD
Heat 27698

Cert Number S73220-1
Pour Date 12/15/2004

Element	Min	Actual	Max
C	0.040	0.06	0.070
MN	2.300	2.7	2.800
SI	0.000	0.7	0.700
CR	18.000	18.1	18.500
NI	13.000	13.2	13.500
MO	2.100	2.2	2.500
P	0.000	0.020	0.035
S	0.000	0.004	0.025
N	0.240	0.28	0.280

Original analysis performed when heat was poured.

PRODUCT ANALYSIS

Results of spectrometer analysis of casting after spectrometer preventive maintenance performed.

Element	
C	**
MN*	2
SI	0.7
CR	18.1
NI	13.1
MO	2.2
P	0.021
S	0.009
N	**

** Not analyzed on spectrograph.

MN* See CA 1549

Respectfully Submitted,
Charles A. Ruud
Quality Assurance Manager

Superior Quality Engineered Metal Products

www.MetalTekInt.Com



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Final Inspection Report

Customer ENERGY
INDUSTRIES OF
OHIO

Pattern: SE-141-073 COIL C-6 SHIM S/N 6

Order PPPL-FP-LTS-2

ASTM Metal CF8MNMN MOD

Date 2/3/2006

Type Description	Cert Number	Procedure	Acceptance Criteria	Actual
Liquid Penetrant	S73220-1	CQP - 300 Rev 9	ASTM A903 Level II	Acceptable
Mag Perm	S73220-1	SOP Mag Perm 100 Rev 1	<1.02	Acceptable
Radiographic	S73220-1	CQP - 401 Rev 5	MSS SP 54	Acceptable
Visual	S73220-1	CQP - 500 REV 4	ASTM A802 LEVEL 2	Acceptable

Liquid Penetrant

Technician: Jason Rees
ASNT Level II

Visual

Technician: Jason Rees
ASNT Level II

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

Respectfully Submitted,
Charles A. Ruud
Quality Assurance Manager

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Certificate of Conformance

ENERGY INDUSTRIES OF OHIO

Order Number PPPL-FP-LTS-2

Pattern SE-141-073 COIL C-6 SHIM S/N 6

ASTM CF8MNMN MOD

Date 2/3/2006

Cert Number

S73220-1

C shim for C-6 coil was poured from heat number 27698. No weld repairs were necessary.

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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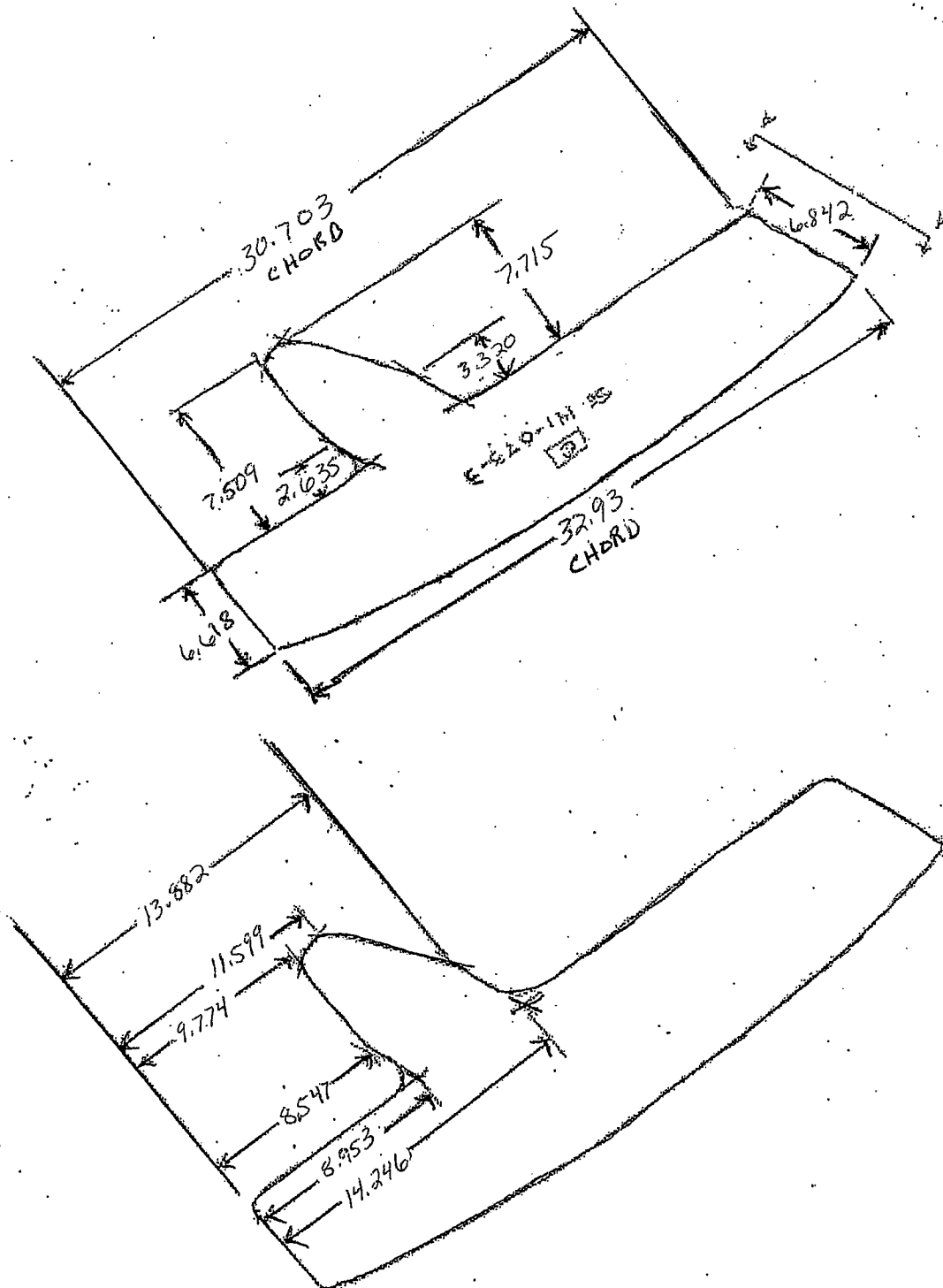
MetalTek

INTERNATIONAL

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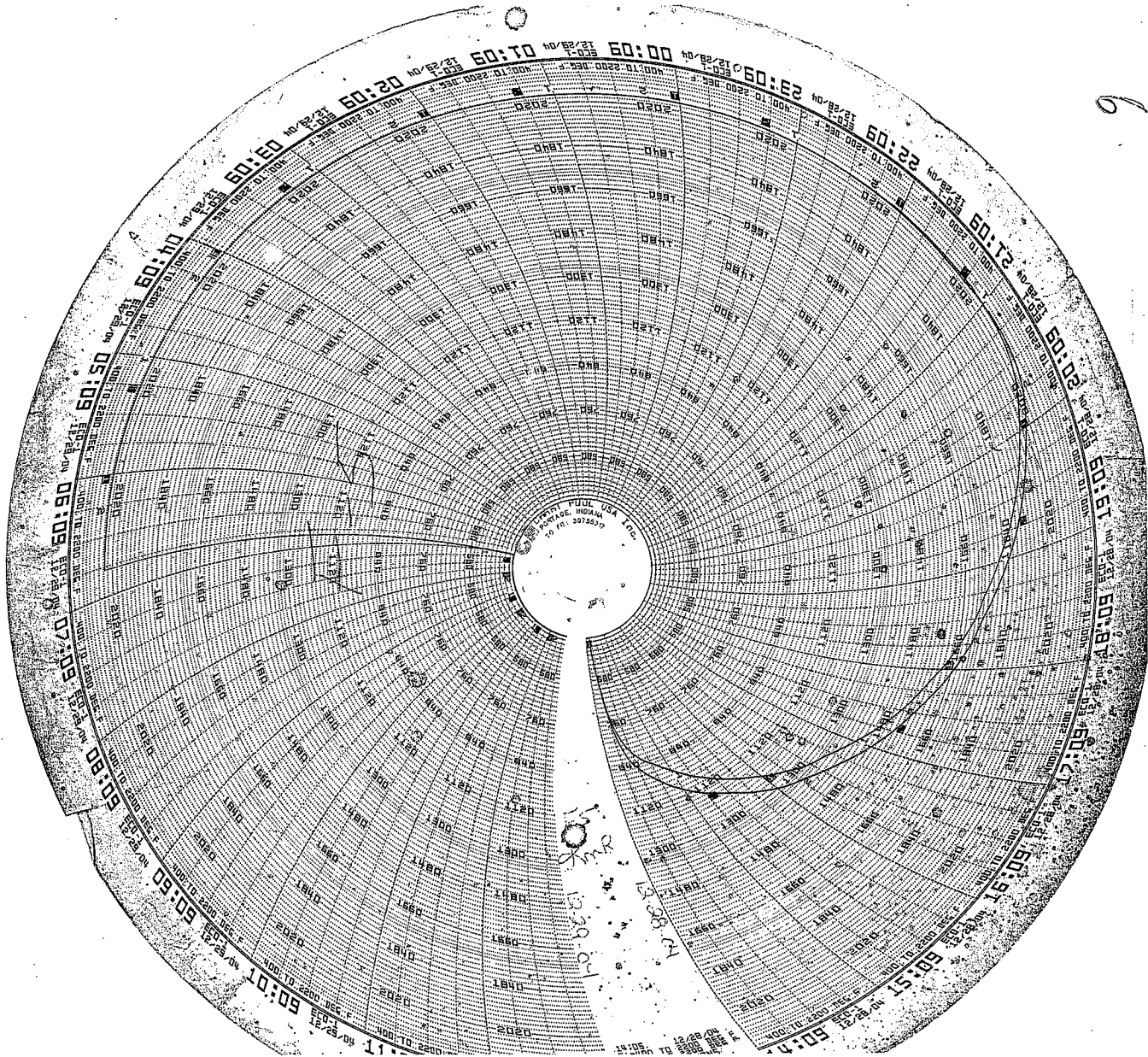
RADIOGRAPHIC INTERPRETATION REPORT

CUSTOMER Energy Ind. of Ohio		PURCHASE ORDER NUMBER PPPL-FP-LTS-2		DATE 1-27-06		CONTROL NO. 40851		PAGE 1 of 1															
PART NO. SE-141-073-6		SPECIFICATION E186		CLASS see spec		TOTAL PIECES 1		PIECES ACCEPTED 1															
RADIOGRAPHED BY: M. d. g. t. b.		INTERPRETED BY: M. d. g. t. b.		ASNT LEVEL II																			
FILM TYPE 80		MATERIAL CF8M UNM/ mod		ISOTOPE IRIDIUM 192 COBALT 60 ✓				CODE ASTM E94 ✓ ASME MIL-STD-453															
		VIEW		PENE		ACCEPT		REJECT		SHRINK		INCLUSION		POROSITY		LINEAR		SURFACE		LOF / LOP		COMMENTS	
M573220-1																						S/N 6	
RT-6		A		50		✓		X										X					
		B		1		✓						1						✓					
C-6 Shim		C		1		✓		X										X					
		D		6		✓																	
2-2-06		ARI		50		✓																	
↓		CRI		35/50		✓				1		1						✓				35 Penny added	



3.25 TYP
THK

SEE A-A



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E1D 12-28-04
SE-141073 COL C
CF 84NM-MOD
MS73220-1
1Pc