



845 S.E. 29th STREET 73129
 P.O BOX 94700
 OKLAHOMA CITY OK 73143
 PHONE: 405-631-1321
 FAX: 405-629-0420



ISO 9001
 Certificate Number: 30050

**CERTIFICATE OF CONFORMANCE/
 HYDROSTATIC TEST CERTIFICATE**

For: Sunbelt Supply Co **Date:** August 30, 2013

Purchase Order: 21919600 **Sales Order No.:** 2579629

COMPLIANCE: This is to certify that the items furnished against the above references were acceptably inspected and tested at the time of manufacture in accordance with Cameron Valves' standard procedures and practices as follows:

Hydrostatic shell tested to 7500 PSI for 2 minutes minimum. No visible leakage observed.

Hydrostatic seat tested in both directions to 5000 PSI for 2 minutes. No visible leakage observed.

INCLUDED IN THIS CERTIFICATION:

6 Each – P/N J017265-2522110 – 6X4 WE DEM DM 5000 ASNP/CS Gate Valves

Serial Number	Body Heat	Bonnet Heat
1282309	U614	X92
1282310	X348	X77
1282311	X348	X92
1282312	V565	X77
1282313	V565	X77
1282314	X348	X92


 Janet Patterson
 Quality Assurance

MATERIAL CERTIFICATION

TO

Cameron
845 Southeast 29th Street
Oklahoma City, OK 73129

CASTING DATA

Heat No Qty Part No. P.O. No.
U614 2 J017282-030 4503256543

SPECIFICATION

D-000102-04-06 Rev. 00.

ASTM A487 Grade 4 Class C. 237 HBW max. We certify that items referenced in this document were manufactured and tested in accordance with Cameron purchase order requirements and EN 10204:2004 Type 3.1.

CHEMICAL DATA

C Mn Si P S Cr Ni Mo V Cu W Al N
.26 .92 .61 .017 .009 .54 .44 .23 .007 .10 .006 .047 .012

TENSILE DATA

Tensile Yield % El-2" % Red Area HBW
105,190 PSI 82,550 PSI 25 62.6 217

CHARPY DATA

Temp °F °C

HEAT TREAT

Hrs At
Heat Coolant

Normalize 1650 °F 5 Air
Quench 1650 °F 5 Water
Temper 1250 °F 5 Air
Temper °F
 °F

VERIFIED BY *[Signature]*
APR 27 2012

COMMENTS



Quality System Certification by Lloyd's Register Quality Assurance ISO 9001-2008. Certificate Number UQA 0112921. May 31, 2014.



ELECTRIC STEEL CASTINGS, INC.

OFFICE & POLARITY: 732 INDEPENDENCE - HOUSTON TEXAS 77060
713 / 679-2828 - FAX 713 / 679-2889

By *[Signature]* Lab Technician

Date 4/24/2012

MATERIAL CERTIFICATION

TO

Cameron
845 Southeast 29th Street
Oklahoma City, OK 73129

CASTING DATA

Heat No	Qty	Part No.	P.O. No.
X348	3	J017282-030	4510165302

SPECIFICATION

D-000102-04-06 Rev. 00.

ASTM A487 Grade 4 Class C. 237 HBW max. We certify that items referenced in this document were manufactured and tested in accordance with Cameron purchase order requirements and EN 10204:2004 Type 3.1.

CHEMICAL DATA

C	Mn	Si	P	S	Cr	Ni	Mo	V	Cu	W	Al	N
.25	.82	.51	.023	.012	.56	.47	.19	.008	.10	.006	.047	.013

TENSILE DATA

Tensile	Yield	% El-2"	% Red Area	HBW
112,630 PSI	92,090 PSI	22	58.5	229

CHARPY DATA

Temp	°F	°C
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<u>HEAT TREAT</u>	Hrs At Heat	Coolant
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Normalize	1650 °F	5	Air
Quench	1650 °F	5	Water
Temper	1250 °F	5	Air
Temper	°F		
	°F		

COMMENTS

VERIFIED BY CVM QA #77
JUL 01 2013



Quality System Certification by Lloyd's Register Quality Assurance ISO 9001-2008. Certificate Number UQA 0112921. May 31, 2014.



ELECTRIC STEEL CASTINGS, INC.

OFFICE & POLARITY, 832 INCAVITY DRIVE - HOUSTON, TEXAS 77061
713/622-8823 - FAX 713/672-4868
www.esci.com

By

C.B. Bergin

Lab Supervisor

Date

6/28/2013

MATERIAL CERTIFICATION

TO

Cameron
845 Southeast 29th Street
Oklahoma City, OK 73129

CASTING DATA

Heat No	Qty	Part No.	P.O. No.
V565	10	J017282-030	4503468628

SPECIFICATION

D-000102-04-06 Rev. 00.

ASTM A487 Grade 4 Class C. 237 HBW max. We certify that items referenced in this document were manufactured and tested in accordance with Cameron purchase order requirements and EN 10204:2004 Type 3.1.

CHEMICAL DATA

C	Mn	Si	P	S	Cr	Ni	Mo	V	Cu	W	Al	N
.25	.91	.55	.016	.008	.63	.48	.18	.008	.08	.006	.043	.012

TENSILE DATA

Tensile	Yield	% El-2"	% Red Area	HBW
105,580 PSI	82,590 PSI	23	59.8	223

CHARFY DATA

Temp	°F	°C
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HEAT TREAT

		Hrs At Heat	Coolant
Normalize	1650 °F	5	Air
Quench	1650 °F	5	Water
Temper	1250 °F	5	Air
Temper	°F		
	°F		

VERIFIED BY 
SEP 06 2012

COMMENTS



Quality System Certification by Lloyd's Register Quality Assurance ISO 9001-2008. Certificate Number UQA 0112921. May 31, 2014.



ELECTRIC STEEL CASTINGS, INC.

OFFICE & FOUNDRY, 232 BUCKLEY DRIVE - HOUSTON, TEXAS 77060
713 / 879-4822 • FAX 713 / 879-4848
www.esci.com

By C.B. Bergin Lab Supervisor

Date 8/30/2012

MATERIAL CERTIFICATION

TO

Cameron
845 Southeast 29th Street
Oklahoma City, OK 73129

CASTING DATA

Heat No	Qty	Part No.	P.O. No.
X92	3	2140369-01	4510153125

SPECIFICATION

Cameron MS-011001-07 Rev. A1 and ASTM A487 Grade 4 Class D. We certify that items referenced in this document were manufactured and tested in accordance with Cameron purchase order requirements and EN 10204:2004 Type 3.1.

CHEMICAL DATA

C	Mn	Si	P	S	Cr	Ni	Mo	V	Cu	W	Al	N
.28	1.00	.66	.019	.012	.49	.50	.18	.013	.12	.006	.033	.012

TENSILE DATA

Tensile	Yield	% El-2"	% Red Area	HBW
110,740 PSI	87,170 PSI	23	56.3	229,229

CHARPY DATA

Temp	-50 °F	°C	%Shear=65-70-70; Mils Lateral Exp=41-45-43
	49-55-52	Ft-Lb	

HEAT TREAT

Hrs At Heat	Coolant
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Normalize	1650 °F	5	Air
Quench	1650 °F	5	Water
Temper	1250 °F	5	Air
Temper	°F		
	°F		

VERIFIED BY CVM QA #77
JUL 17 2013

COMMENTS



Quality System Certification by Lloyd's Register Quality Assurance ISO 9001-2008. Certificate Number UQA 0112921. May 31, 2014.



ELECTRIC STEEL CASTINGS, INC.

OFFICE & PLANT: 231 SECURITY DRIVE • HOUSTON, TEXAS 77061
713 670-0222 • FAX 713 670-0696
WWW.ESC-INC.COM

By C.B. Bergin Lab Supervisor

Date 7/9/2013

MATERIAL CERTIFICATION

TO

Cameron
845 Southeast 29th Street
Oklahoma City, OK 73129

CASTING DATA

Heat No Qty Part No. P.O. No.
X77 6 2140369-01 4510153125

SPECIFICATION

Cameron MS-011001-07 Rev. A1 and ASTM A487 Grade 4 Class D. We certify that items referenced in this document were manufactured and tested in accordance with Cameron purchase order requirements and EN 10204:2004 Type 3.1.

CHEMICAL DATA

C Mn Si P S Cr Ni Mo V Cu W Al N
.28 .94 .53 .017 .012 .54 .46 .17 .01 .08 .006 .049 .008

TENSILE DATA

Tensile Yield % El-2" % Red Area HBW
109,900 PSI 91,070 PSI 24 57.6 229,229

CHARPY DATA

Temp -50 °F °C %Shear=80-80-80; Mils Lateral Exp=47-43-48
68-63-67 Ft-Lb

HEAT TREAT

Hrs At
Heat Coolant

Normalize 1650 °F 5 Air
Quench 1650 °F 5 Water
Temper 1250 °F 5 Air
Temper °F
 °F

VERIFIED BY CVM QA #71
JUL 20 2013

COMMENTS



Quality System Certification by Lloyd's Register Quality Assurance ISO 9001-2008. Certificate Number UQA 0112921. May 31, 2014.



ELECTRIC STEEL CASTINGS, INC.

OFFICE & FOUNDRY: 881 MCARTY DRIVE - HOUSTON, TEXAS 77068
713/679-8888 • FAX 713/679-8888
www.esci.com

By *Lally Walker* Lab Technician

Date 7/18/2013