

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36747, S36750
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

Packing List 401351-1 (10/9/2025)

Image 540652



JSW STEEL (USA) INC.
5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6775

Sample No.: B25009962

PO Number: 310502

PO Date: 09/25/24

JSW #: JPM32797

Date: 02/28/25

Diameter (in): 30

Wall (in): 0.500

Grade: X65M_PSL2

Heat No: S36775

Plate Source: JSW Steel (USA) Inc., USA

Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL

Comments: Hardness requirement as per NACE MR 0175.

Cust Spec: Customer Requirement

Pipe Manufactured in USA

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.

100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches inside and outside (Longitudinal and Transverse)

API 5L 46TH Ed APRIL 2018

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRAMEETER)

Customer

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Ship To

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Type	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Ti	Al	N	V	B	Nb	Ca	Zr	CE	PCM	V+Nb+Ti
Min. Req.	0.00	0.00	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.000	0.000	0.000	0.00	0.00	0.00
Max. Req.	0.12	1.60	0.025	0.015	0.45	0.500	0.500	0.500	0.500	-	-	-	-	0.0010	-	-	-	0.43	0.25	0.15
Ladle	0.08	1.60	0.013	0.001	0.24	0.030	0.010	0.030	0.000	0.011	0.034	0.003	0.052	0.0001	0.063	0.002	0.000	0.37	0.18	0.13
Product1	0.08	1.56	0.012	0.004	0.23	0.010	0.000	0.010	0.003	0.010	0.022	0.003	0.073	0.0000	0.045	0.000	0.000	0.36	0.17	0.13
Product2	0.07	1.56	0.012	0.004	0.24	0.010	0.000	0.010	0.003	0.010	0.023	0.003	0.074	0.0000	0.046	0.000	0.000	0.35	0.16	0.13

Mechanical Testing

N/O/L	Specimen Type	Width/Dia (inch)	Thick (inch)	Yield (PSI)	Tensile (PSI)	Elong (%)	Y/T Ratio	Remarks
1T180	ROUND	0.25	0.500	74000	88000	27	0.84	
1W	RECT	1.43	0.503		97000			BROKEN FROM BASE METAL

Guided Bend

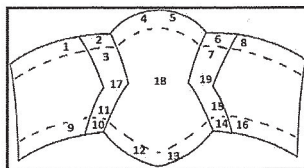
N/O/L	Root	Face
2W	OK	OK

Hydrostatic Test

TEST PRESS. PSI	HOLDING TIME (sec)
2070	20

Hardness Tests

Orientation: 1W



(HV10 - Scale)

1: 197 8: 201 15: 206
2: 205 9: 204 16: 196
3: 192 10: 201 17: 204
4: 217 11: 209 18: 216
5: 211 12: 210 19: 200
6: 195 13: 217
7: 190 14: 199

DWTT Tests

Shear

Orien tation	Temp	1 (%)	2 (%)	Avg (%)
2T90	0 F	90	90	90

PRESSED NOTCH

MACRO OK

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36747, S36750
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

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Image 540652



JSW STEEL (USA) INC.
5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6775

Sample No.: B25009962

PO Number: 310502

PO Date: 09/25/24

JSW #: JPM32797

Date: 02/28/25

Diameter (in): 30

Wall (in): 0.500

Grade: X65M_PSL2

Heat No: S36775

Plate Source: JSW Steel (USA) Inc., USA

Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL

Comments: Hardness requirement as per NACE MR 0175.

Cust Spec: Customer Requirement

Pipe Manufactured in USA

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.

100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches inside and outside (Longitudinal and Transverse)

API 5L 46TH Ed APRIL 2018

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRAMEETER)

Charpy Impact Test												
N/O/L	Spec Size	Temp	Acc. Criteria (Avg/Min)	Ft lb1	Ft lb2	Ft lb3	Ft lb avg	Shear Acc. Criteria (Avg/Min)	Shear1 (%)	Shear2 (%)	Shear3 (%)	Shear Avg (%)
3T90	0.394x0.394 in	0 F	30/23	171	177	174	174	85/-	95	95	95	95
			Full Size Values:	171	177	174	174		95	95	95	95
3W	0.394x0.394 in	0 F	20/15	119	115	120	118	-				
			Full Size Values:	119	115	120	118					
3HAZ	0.394x0.394 in	0 F	20/15	168	170	165	168	-				
			Full Size Values:	168	170	165	168					

Pipes Certified For This HEAT

B25009962 B25010049 B25010057 B25010073 B25010081 B25010243 B25010251

The material has been manufactured, sampled, tested, and inspected in accordance with this spec(API5L) and has been found to meet the requirements. These pipes are also made in accordance with ISO 9001:2008/API Q1 and JSW Steel Quality requirements. I/We certify the above to be correct as obtained in the records of the company.

Sheila Rodriguez
QA ENGINEER

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36747, S36750
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

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5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6776

Sample No.: B25009581

PO Number: 310502

PO Date: 09/25/24

JSW #: JPM32797

Date: 02/28/25

Diameter (in): 30

Wall (in): 0.500

Grade: X65M_PSL2

Heat No: S36776

Plate Source: JSW Steel (USA) Inc., USA

Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL

Comments: Hardness requirement as per NACE MR 0175.

Cust Spec: Customer Requirement

Pipe Manufactured in USA

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.

100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches inside and outside (Longitudinal and Transverse)

API 5L 46TH Ed APRIL 2018

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRAMEETER)

Customer

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Ship To

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Type	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Ti	Al	N	V	B	Nb	Ca	Zr	CE	PCM	V+Nb+Ti
Min. Req.	0.00	0.00	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.000	0.000	0.000	0.00	0.00	0.00
Max. Req.	0.12	1.60	0.025	0.015	0.45	0.500	0.500	0.500	0.500	-	-	-	-	0.0010	-	-	-	0.43	0.25	0.15
Ladle	0.08	1.62	0.013	0.002	0.25	0.030	0.010	0.030	0.000	0.013	0.035	0.003	0.056	0.0001	0.068	0.002	0.000	0.37	0.18	0.14
Product1	0.07	1.54	0.012	0.004	0.23	0.010	0.000	0.010	0.003	0.009	0.019	0.003	0.072	0.0000	0.046	0.000	0.000	0.34	0.16	0.13
Product2	0.06	1.54	0.012	0.005	0.24	0.010	0.000	0.010	0.003	0.009	0.019	0.003	0.072	0.0000	0.046	0.000	0.000	0.33	0.15	0.13

Mechanical Testing

N/O/L	Specimen Type	Width/Dia (inch)	Thick (inch)	Yield (PSI)	Tensile (PSI)	Elong (%)	Y/T Ratio	Remarks
1T180	ROUND	0.25	0.500	78000	90500	26	0.86	
1W	RECT	1.44	0.512		98600			BROKEN FROM BASE METAL

Guided Bend

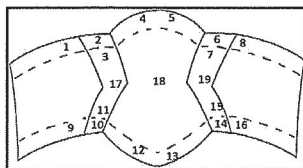
N/O/L	Root	Face
2W	OK	OK

Hydrostatic Test

TEST PRESS. PSI	HOLDING TIME (sec)
2070	20

Hardness Tests

Orientation: 1W



(HV10 - Scale)

1: 207 8: 216 15: 197
2: 212 9: 205 16: 210
3: 215 10: 189 17: 199
4: 238 11: 185 18: 236
5: 230 12: 230 19: 212
6: 207 13: 232
7: 202 14: 199

MACRO OK

DWTT Tests

		Shear		
Orien tation	Temp	1 (%)	2 (%)	Avg (%)
2T90	0 F	90	90	90
PRESSED NOTCH				

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36747, S36750
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

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Image 540652



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5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6776

Sample No.: B25009581

PO Number: 310502 PO Date: 09/25/24 JSW #: JPM32797 Date: 02/28/25
Diameter (in): 30 Wall (in): 0.500 Grade: X65M_PSL2 Heat No: S36776
Plate Source: JSW Steel (USA) Inc., USA Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL
Comments: Hardness requirement as per NACE MR 0175.
Cust Spec: Customer Requirement

Pipe Manufactured in USA
API 5L 46TH Ed APRIL 2018

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.
100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches
inside and outside (Longitudinal and Transverse)

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRAMEETER)

Charpy Impact Test												
N/O/L	Spec Size	Temp	Acc. Criteria (Avg/Min)	Ft lb1	Ft lb2	Ft lb3	Ft lb avg	Shear Acc. Criteria (Avg/Min)	Shear1 (%)	Shear2 (%)	Shear3 (%)	Shear Avg (%)
3T90	0.394x0.394 in	0 F	30/23	199	191	195	195	85/-	100	95	100	98
			Full Size Values:	199	191	195	195		100	95	100	98
3W	0.394x0.394 in	0 F	20/15	132	140	137	136	-				
			Full Size Values:	132	140	137	136					
3HAZ	0.394x0.394 in	0 F	20/15	180	188	182	183	-				
			Full Size Values:	180	188	182	183					

Pipes Certified For This HEAT

B25009377 B25009581 B25009954 B25010031

The material has been manufactured, sampled, tested, and inspected in accordance with this spec(API5L) and has been found to meet the requirements.
These pipes are also made in accordance with ISO 9001:2008/API Q1 and JSW Steel Quality requirements. I/We certify the above to be correct as obtained
in the records of the company.

Sheila Rodriguez
QA ENGINEER

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36747, S36750
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

Packing List 401351-1 (10/9/2025)

Image 540652



JSW STEEL (USA) INC.
5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6778

Sample No.: B25010146

PO Number: 310502 PO Date: 09/25/24 JSW #: JPM32797 Date: 02/28/25
Diameter (in): 30 Wall (in): 0.500 Grade: X65M_PSL2 Heat No: S36778
Plate Source: JSW Steel (USA) Inc., USA Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL
Comments: Hardness requirement as per NACE MR 0175.
Cust Spec: Customer Requirement

Pipe Manufactured in USA
API 5L 46TH Ed APRIL 2018

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.
100% Weld seam inspection by ultrasonic testing method; Calibration standard: NS notches inside and outside (Longitudinal and Transverse)

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRIMETER)

Customer

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Ship To

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Type	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Ti	Al	N	V	B	Nb	Ca	Zr	CE	PCM	V+Nb+Ti
Min. Req.	0.00	0.00	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.000	0.000	0.000	0.00	0.00	0.00
Max. Req.	0.12	1.60	0.025	0.015	0.45	0.500	0.500	0.500	0.500	-	-	-	-	0.0010	-	-	-	0.43	0.25	0.15
Ladle	0.08	1.65	0.013	0.001	0.26	0.040	0.010	0.020	0.000	0.011	0.040	0.003	0.055	0.0001	0.067	0.003	0.000	0.37	0.18	0.13
Product1	0.06	1.65	0.012	0.004	0.26	0.020	0.000	0.020	0.000	0.009	0.027	0.003	0.076	0.0000	0.048	0.000	0.000	0.36	0.16	0.13
Product2	0.08	1.65	0.012	0.004	0.27	0.020	0.000	0.020	0.000	0.009	0.027	0.003	0.076	0.0000	0.049	0.000	0.000	0.38	0.18	0.13

Mechanical Testing

N/O/L	Specimen Type	Width/Dia (inch)	Thick (inch)	Yield (PSI)	Tensile (PSI)	Elong (%)	Y/T Ratio	Remarks
1T180	ROUND	0.25	0.500	72500	86500	29	0.84	
1W	RECT	1.44	0.502		99300			BROKEN FROM BASE METAL

Guided Bend

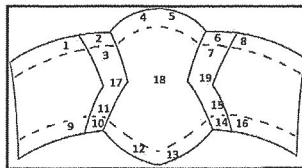
N/O/L	Root	Face
2W	OK	OK

Hydrostatic Test

TEST PRESS. PSI	HOLDING TIME (sec)
2070	20

Hardness Tests

Orientation: 1W



(HV10 - Scale)

1: 200 8: 197 15: 192
2: 191 9: 204 16: 205
3: 195 10: 200 17: 197
4: 214 11: 206 18: 226
5: 213 12: 217 19: 207
6: 193 13: 215
7: 189 14: 199

MACRO OK

DWTT Tests

Orien tation	Temp	Shear		
		1 (%)	2 (%)	Avg (%)
2T90	0 F	95	90	93

PRESSED NOTCH

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36747, S36750
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

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5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6778

Sample No.: B25010146

PO Number: 310502 PO Date: 09/25/24 JSW #: JPM32797 Date: 02/28/25
Diameter (in): 30 Wall (in): 0.500 Grade: X65M_PSL2 Heat No: S36778
Plate Source: JSW Steel (USA) Inc., USA Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL
Comments: Hardness requirement as per NACE MR 0175.
Cust Spec: Customer Requirement

Pipe Manufactured in USA
API 5L 46TH Ed APRIL 2018

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.
100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches inside and outside (Longitudinal and Transverse)

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRAMEETER)

N/O/L	Spec Size	Temp	Acc. Criteria (Avg/Min)	Charpy Impact Test				Shear Acc. Criteria (Avg/Min)	Shear1 (%)	Shear2 (%)	Shear3 (%)	Shear Avg (%)
				Ft lb1	Ft lb2	Ft lb3	Ft lb avg					
3T90	0.394x0.394 in	0 F	30/23	198	209	204	204	85/-	100	100	100	100
			Full Size Values:	198	209	204	204		100	100	100	100
3W	0.394x0.394 in	0 F	20/15	149	152	143	148	-				
			Full Size Values:	149	152	143	148					
3HAZ	0.394x0.394 in	0 F	20/15	190	187	192	190	-				
			Full Size Values:	190	187	192	190					

Pipes Certified For This HEAT

B25009903 B25009911 B25009921 B25009946 B25010091 B25010121 B25010138 B25010146 B25010154 B25010162
B25010171 B25010227 B25010235

The material has been manufactured, sampled, tested, and inspected in accordance with this spec(API5L) and has been found to meet the requirements. These pipes are also made in accordance with ISO 9001:2008/API Q1 and JSW Steel Quality requirements. I/We certify the above to be correct as obtained in the records of the company.

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Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

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Image 540652



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Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6779

Sample No.: B25010014

PO Number: 310502

PO Date: 09/25/24

JSW #: JPM32797

Date: 02/28/25

Diameter (in): 30

Wall (in): 0.500

Grade: X65M_PSL2

Heat No: S36779

Plate Source: JSW Steel (USA) Inc., USA

Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL

Comments: Hardness requirement as per NACE MR 0175.

Cust Spec: Customer Requirement

Pipe Manufactured in USA

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.

API 5L 46TH Ed APRIL 2018

100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches inside and outside (Longitudinal and Transverse)

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRAMEETER)

Customer

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10370 RICHMOND AVE
HOUSTON, TX 77042

Ship To

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Type	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Ti	Al	N	V	B	Nb	Ca	Zr	CE	PCM	V+Nb+Ti
Min. Req.	0.00	0.00	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.000	0.000	0.000	0.00	0.00	0.00
Max. Req.	0.12	1.60	0.025	0.015	0.45	0.500	0.500	0.500	0.500	-	-	-	-	0.0010	-	-	-	0.43	0.25	0.15
Ladle	0.08	1.62	0.013	0.001	0.25	0.030	0.010	0.030	0.000	0.013	0.035	0.003	0.056	0.0001	0.068	0.003	0.000	0.37	0.18	0.14
Product1	0.09	1.59	0.013	0.004	0.25	0.010	0.000	0.020	0.003	0.010	0.022	0.003	0.074	0.0000	0.046	0.000	0.000	0.38	0.19	0.13
Product2	0.09	1.59	0.012	0.004	0.24	0.010	0.000	0.020	0.003	0.010	0.021	0.004	0.073	0.0000	0.046	0.000	0.000	0.37	0.19	0.13

Mechanical Testing

N/O/L	Specimen Type	Width/Dia (inch)	Thick (inch)	Yield (PSI)	Tensile (PSI)	Elong (%)	Y/T Ratio	Remarks
1T180	ROUND	0.25	0.500	76500	87500	25	0.87	
1W	RECT	1.44	0.501		94000			BROKEN FROM BASE METAL

Guided Bend

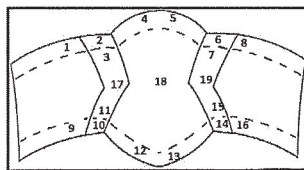
N/O/L	Root	Face
2W	OK	OK

Hydrostatic Test

TEST PRESS. PSI	HOLDING TIME (sec)
2070	20

Hardness Tests

Orientation: 1W



(HV10 - Scale)

1: 194 8: 194 15: 193
2: 204 9: 191 16: 187
3: 198 10: 199 17: 191
4: 231 11: 208 18: 214
5: 227 12: 211 19: 200
6: 202 13: 231
7: 204 14: 202

DWTT Tests

Orientation	Temp	Shear		
		1 (%)	2 (%)	Avg (%)
2T90	0 F	95	100	98

PRESSED NOTCH

MACRO OK

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36747, S36750
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

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Phone: (281) 383-3300
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MTR No.: 310502-6779

Sample No.: B25010014

PO Number: 310502 PO Date: 09/25/24 JSW #: JPM32797 Date: 02/28/25
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API 5L 46TH Ed APRIL 2018

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THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.
100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches
inside and outside (Longitudinal and Transverse)

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRAMEETER)

Charpy Impact Test												
N/O/L	Spec Size	Temp	Acc. Criteria (Avg/Min)	Ft lb1	Ft lb2	Ft lb3	Ft lb avg	Shear Acc. Criteria (Avg/Min)	Shear1 (%)	Shear2 (%)	Shear3 (%)	Shear Avg (%)
3T90	0.394x0.394 in	0 F	30/23	201	193	198	197	85/-	100	100	100	100
			Full Size Values:	201	193	198	197		100	100	100	100
3W	0.394x0.394 in	0 F	20/15	143	149	137	143	-				
			Full Size Values:	143	149	137	143					
3HAZ	0.394x0.394 in	0 F	20/15	186	181	189	185	-				
			Full Size Values:	186	181	189	185					

Pipes Certified For This HEAT

B25009229 B25009253 B25009301 B25009326 B25009385 B25009407 B25009423 B25009431 B25009458 B25009474
B25010006 B25010014 B25010022 B25010065 B25010103 B25010111 B25010189 B25010201

The material has been manufactured, sampled, tested, and inspected in accordance with this spec(API5L) and has been found to meet the requirements.
These pipes are also made in accordance with ISO 9001:2008/API Q1 and JSW Steel Quality requirements. I/We certify the above to be correct as obtained
in the records of the company.

Sheila Rodriguez
QA ENGINEER

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36747, S36750
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

Packing List 401351-1 (10/9/2025) Image 540652



JSW STEEL (USA) INC.
5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6828

Sample No.: B25009938

PO Number: 310502 PO Date: 09/25/24 JSW #: JPM32797 Date: 02/28/25
Diameter (in): 30 Wall (in): 0.500 Grade: X65M_PSL2 Heat No: S36828
Plate Source: JSW Steel (USA) Inc., USA Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL
Comments: Hardness requirement as per NACE MR 0175.
Cust Spec: Customer Requirement

Pipe Manufactured in USA
API 5L 46TH Ed APRIL 2018

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.
100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches inside and outside (Longitudinal and Transverse)

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRATOR)

Customer

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Ship To

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Type	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Ti	Al	N	V	B	Nb	Ca	Zr	CE	PCM	V+Nb+Ti
Min. Req.	0.00	0.00	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.000	0.000	0.000	0.00	0.00	0.00
Max. Req.	0.12	1.60	0.025	0.015	0.45	0.500	0.500	0.500	0.500	-	-	-	-	0.0010	-	-	-	0.43	0.25	0.15
Ladle	0.08	1.66	0.015	0.002	0.24	0.030	0.010	0.020	0.000	0.011	0.037	0.003	0.054	0.0001	0.064	0.002	0.000	0.37	0.18	0.13
Product1	0.10	1.60	0.011	0.002	0.25	0.000	0.000	0.010	0.003	0.009	0.022	0.004	0.073	0.0000	0.051	0.000	0.000	0.38	0.20	0.13
Product2	0.10	1.59	0.011	0.001	0.24	0.000	0.000	0.010	0.003	0.009	0.021	0.006	0.071	0.0000	0.050	0.000	0.000	0.38	0.20	0.13

Mechanical Testing

N/O/L	Specimen Type	Width/Dia (inch)	Thick (inch)	Yield (PSI)	Tensile (PSI)	Elong (%)	Y/T Ratio	Remarks
1T180	ROUND	0.25	0.500	73500	87500	25	0.84	
1W	RECT	1.44	0.501		94400			BROKEN FROM BASE METAL

Guided Bend

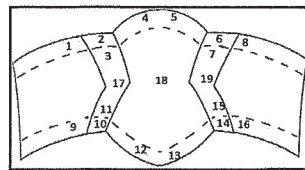
N/O/L Root Face
2W OK OK

Hydrostatic Test

TEST PRESS. HOLDING
PSI TIME
2070 20

Hardness Tests

Orientation: 1W



(HV10 - Scale)

1: 202 8: 194 15: 200
2: 192 9: 198 16: 195
3: 198 10: 189 17: 207
4: 226 11: 183 18: 224
5: 224 12: 218 19: 196
6: 200 13: 227
7: 203 14: 202

MACRO OK

DWTT Tests

Orientation	Temp	Shear		
		1 (%)	2 (%)	Avg (%)
2T90	0 F	100	95	98

PRESSED NOTCH

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36747, S36750
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

Packing List 401351-1 (10/9/2025)

Image 540652



JSW STEEL (USA) INC.
5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6828

Sample No.: B25009938

PO Number: 310502 PO Date: 09/25/24 JSW #: JPM32797 Date: 02/28/25
Diameter (in): 30 Wall (in): 0.500 Grade: X65M_PSL2 Heat No: S36828
Plate Source: JSW Steel (USA) Inc., USA Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL
Comments: Hardness requirement as per NACE MR 0175.
Cust Spec: Customer Requirement

Pipe Manufactured in USA

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.

API 5L 46TH Ed APRIL 2018

100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches inside and outside (Longitudinal and Transverse)

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRAMEETER)

N/O/L	Spec Size	Temp	Acc. Criteria (Avg/Min)	Charpy Impact Test				Shear Acc. Criteria (Avg/Min)	Shear1 (%)	Shear2 (%)	Shear3 (%)	Shear Avg (%)
				Ft lb1	Ft lb2	Ft lb3	Ft lb avg					
3T90	0.394x0.394 in	0 F	30/23	197	199	192	196	85/-	100	100	95	98
			Full Size Values:	197	199	192	196		100	100	95	98
3W	0.394x0.394 in	0 F	20/15	134	130	138	134	-				
			Full Size Values:	134	130	138	134					
3HAZ	0.394x0.394 in	0 F	20/15	178	186	181	182	-				
			Full Size Values:	178	186	181	182					

Pipes Certified For This HEAT

B25009113 B25009121 B25009131 B25009148 B25009156 B25009164 B25009172 B25009181 B25009199 B25009202
B25009211 B25009237 B25009245 B25009261 B25009271 B25009288 B25009296 B25009318 B25009393 B25009717
B25009873 B25009938 B25009971 B25009989 B25009997 B25010278

The material has been manufactured, sampled, tested, and inspected in accordance with this spec(API5L) and has been found to meet the requirements.
These pipes are also made in accordance with ISO 9001:2008/API Q1 and JSW Steel Quality requirements. I/We certify the above to be correct as obtained in the records of the company.

Sheila Rodriguez
QA ENGINEER

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36747, S36750
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

Packing List 401351-1 (10/9/2025)

Image 540652



JSW STEEL (USA) INC.
5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6971

Sample No.: B25010413

PO Number: 310502

PO Date: 09/25/24

JSW #: JPM32797

Date: 02/28/25

Diameter (in): 30

Wall (in): 0.500

Grade: X65M_PSL2

Heat No: S36971

Plate Source: JSW Steel (USA) Inc., USA

Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL

Comments: Hardness requirement as per NACE MR 0175.

Cust Spec: Customer Requirement

Pipe Manufactured in USA

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.

100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches inside and outside (Longitudinal and Transverse)

API 5L 46TH Ed APRIL 2018

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRAMEETER)

Customer

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Ship To

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Type	C	Mn	P	S	SI	Cu	Ni	Cr	Mo	Ti	Al	N	V	B	Nb	Ca	Zr	CE	PCM	V+Nb+Ti
Min. Req.	0.00	0.00	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.000	0.000	0.000	0.00	0.00	0.00
Max. Req.	0.12	1.60	0.025	0.015	0.45	0.500	0.500	0.500	0.500	-	-	-	-	0.0010	-	-	-	0.43	0.25	0.15
Ladle	0.08	1.59	0.013	0.002	0.23	0.020	0.000	0.020	0.000	0.012	0.036	0.003	0.051	0.0001	0.061	0.002	0.000	0.36	0.17	0.12
Product1	0.06	1.62	0.012	0.002	0.23	0.000	0.000	0.020	0.000	0.009	0.025	0.003	0.074	0.0000	0.046	0.000	0.000	0.35	0.16	0.13
Product2	0.08	1.60	0.012	0.004	0.24	0.000	0.000	0.020	0.005	0.009	0.024	0.003	0.074	0.0000	0.046	0.000	0.000	0.37	0.18	0.13

Mechanical Testing

N/O/L	Specimen Type	Width/Dia (inch)	Thick (inch)	Yield (PSI)	Tensile (PSI)	Elong (%)	Y/T Ratio	Remarks
1T180	ROUND	0.25	0.500	71500	86000	28	0.83	
1W	RECT	1.43	0.503		96600			BROKEN FROM BASE METAL

Guided Bend

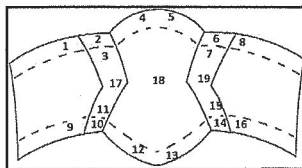
N/O/L	Root	Face
2W	OK	OK

Hydrostatic Test

TEST PRESS. PSI	HOLDING TIME (sec)
2070	20

Hardness Tests

Orientation: 1W



(HV10 - Scale)

1: 198 8: 193 15: 192
2: 200 9: 198 16: 202
3: 197 10: 201 17: 205
4: 232 11: 195 18: 230
5: 235 12: 216 19: 196
6: 204 13: 212
7: 203 14: 187

MACRO OK

DWTT Tests

Orientation	Temp	Shear		
		1 (%)	2 (%)	Avg (%)
2T90	0 F	90	90	90

PRESSED NOTCH

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36747, S36750
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

Packing List 401351-1 (10/9/2025)

Image 540652



JSW STEEL (USA) INC.
5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6971

Sample No.: B25010413

PO Number: 310502 PO Date: 09/25/24 JSW #: JPM32797 Date: 02/28/25
Diameter (in): 30 Wall (in): 0.500 Grade: X65M_PSL2 Heat No: S36971
Plate Source: JSW Steel (USA) Inc., USA Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL
Comments: Hardness requirement as per NACE MR 0175.
Cust Spec: Customer Requirement

Pipe Manufactured in USA

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.

API 5L 46TH Ed APRIL 2018

100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches inside and outside (Longitudinal and Transverse)

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRAMEETER)

N/O/L	Spec Size	Temp	Acc. Criteria (Avg/Min)	Charpy Impact Test				Shear Acc. Criteria (Avg/Min)	Shear1 (%)	Shear2 (%)	Shear3 (%)	Shear Avg (%)
				Ft lb1	Ft lb2	Ft lb3	Ft lb avg					
3T90	0.394x0.394 in	0 F	30/23	181	186	179	182	85/-	95	95	95	95
			Full Size Values:	181	186	179	182		95	95	95	95
3W	0.394x0.394 in	0 F	20/15	120	125	117	121	-				
			Full Size Values:	120	125	117	121					
3HAZ	0.394x0.394 in	0 F	20/15	174	171	176	174	-				
			Full Size Values:	174	171	176	174					

Pipes Certified For This HEAT

B25010324 B25010332 B25010341 B25010359 B25010383 B25010391 B25010405 B25010413

The material has been manufactured, sampled, tested, and inspected in accordance with this spec(API5L) and has been found to meet the requirements. These pipes are also made in accordance with ISO 9001:2008/API Q1 and JSW Steel Quality requirements. I/We certify the above to be correct as obtained in the records of the company.

Sheila Rodriguez
QA ENGINEER

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36747, S36750
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

Packing List 401351-1 (10/9/2025)

Image 540652



JSW STEEL (USA) INC.
5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6982

Sample No.: B25009792

PO Number: 310502

PO Date: 09/25/24 JSW #: JPM32797

Date: 02/28/25

Diameter (in): 30

Wall (in): 0.500

Grade: X65M_PSL2

Heat No: S36982

Plate Source: JSW Steel (USA) Inc., USA

Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL

Comments: Hardness requirement as per NACE MR 0175.

Cust Spec: Customer Requirement

Pipe Manufactured in USA

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.

100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches inside and outside (Longitudinal and Transverse)

API 5L 46TH Ed APRIL 2018

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRIMETER)

Customer

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Ship To

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Type	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Ti	Al	N	V	B	Nb	Ca	Zr	CE	PCM	V+Nb+Ti
Min. Req.	0.00	0.00	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.000	0.000	0.000	0.00	0.00	0.00
Max. Req.	0.12	1.60	0.025	0.015	0.45	0.500	0.500	0.500	0.500	-	-	-	-	0.0010	-	-	-	0.43	0.25	0.15
Ladle	0.08	1.63	0.009	0.002	0.24	0.040	0.010	0.020	0.000	0.012	0.033	0.003	0.051	0.0001	0.062	0.003	0.000	0.37	0.18	0.13
Product1	0.07	1.65	0.011	0.004	0.23	0.030	0.000	0.020	0.000	0.009	0.023	0.003	0.072	0.0000	0.045	0.000	0.000	0.37	0.17	0.13
Product2	0.09	1.65	0.011	0.004	0.23	0.030	0.000	0.020	0.000	0.009	0.023	0.003	0.072	0.0000	0.046	0.000	0.000	0.39	0.19	0.13

Mechanical Testing

N/O/L	Specimen Type	Width/Dia (inch)	Thick (inch)	Yield (PSI)	Tensile (PSI)	Elong (%)	Y/T Ratio	Remarks
1T180	ROUND	0.25	0.500	76000	88000	25	0.86	
1W	RECT	1.44	0.505		96200			BROKEN FROM BASE METAL

Guided Bend

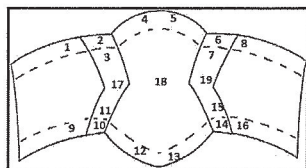
N/O/L	Root	Face
2W	OK	OK

Hydrostatic Test

TEST PRESS. PSI	HOLDING TIME (sec)
2070	20

Hardness Tests

Orientation: 1W



(HV10 - Scale)

1: 199 8: 200 15: 193
2: 194 9: 204 16: 206
3: 181 10: 206 17: 201
4: 226 11: 202 18: 217
5: 219 12: 215 19: 196
6: 195 13: 219
7: 191 14: 201

MACRO OK

DWTT Tests

Orientation	Temp	Shear		
		1 (%)	2 (%)	Avg (%)
2T90	0 F	95	100	98

PRESSED NOTCH

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36747, S36750
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

Packing List 401351-1 (10/9/2025)

Image 540652



JSW STEEL (USA) INC.
5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6982

Sample No.: B25009792

PO Number: 310502 PO Date: 09/25/24 JSW #: JPM32797 Date: 02/28/25
Diameter (in): 30 Wall (in): 0.500 Grade: X65M_PSL2 Heat No: S36982
Plate Source: JSW Steel (USA) Inc., USA Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL
Comments: Hardness requirement as per NACE MR 0175.
Cust Spec: Customer Requirement

Pipe Manufactured in USA

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.
100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches
inside and outside (Longitudinal and Transverse)

API 5L 46TH Ed APRIL 2018

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRAMEETER)

Charpy Impact Test												
N/O/L	Spec Size	Temp	Acc. Criteria (Avg/Min)	Ft lb1	Ft lb2	Ft lb3	Ft lb avg	Shear Acc. Criteria (Avg/Min)	Shear1 (%)	Shear2 (%)	Shear3 (%)	Shear Avg (%)
3T90	0.394x0.394 in	0 F	30/23	210	201	208	206	85/-	100	100	100	100
			Full Size Values:	210	201	208	206		100	100	100	100
3W	0.394x0.394 in	0 F	20/15	139	147	142	143	-				
			Full Size Values:	139	147	142	143					
3HAZ	0.394x0.394 in	0 F	20/15	190	186	194	190	-				
			Full Size Values:	190	186	194	190					

Pipes Certified For This HEAT

B25009441 B25009466 B25009482 B25009491 B25009504 B25009512 B25009521 B25009539 B25009751 B25009768
B25009784 B25009792

The material has been manufactured, sampled, tested, and inspected in accordance with this spec(API5L) and has been found to meet the requirements.
These pipes are also made in accordance with ISO 9001:2008/API Q1 and JSW Steel Quality requirements. I/We certify the above to be correct as obtained
in the records of the company.

Sheila Rodriguez
QA ENGINEER

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36747, S36750
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

Packing List 401351-1 (10/9/2025) Image 540652



JSW STEEL (USA) INC.
5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6983

Sample No.: B25009571

PO Number: 310502

PO Date: 09/25/24

JSW #: JPM32797

Date: 02/28/25

Diameter (in): 30

Wall (in): 0.500

Grade: X65M_PSL2

Heat No: S36983

Plate Source: JSW Steel (USA) Inc., USA

Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL

Comments: Hardness requirement as per NACE MR 0175.

Cust Spec: Customer Requirement

Pipe Manufactured in USA

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.

100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches inside and outside (Longitudinal and Transverse)

API 5L 46TH Ed APRIL 2018

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRAMEETER)

Customer

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Ship To

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Type	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Ti	Al	N	V	B	Nb	Ca	Zr	CE	PCM	V+Nb+Ti
Min. Req.	0.00	0.00	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.000	0.000	0.000	0.00	0.00	0.00
Max. Req.	0.12	1.60	0.025	0.015	0.45	0.500	0.500	0.500	0.500	-	-	-	-	0.0010	-	-	-	0.43	0.25	0.15
Ladle	0.08	1.63	0.011	0.002	0.25	0.040	0.010	0.020	0.000	0.011	0.034	0.003	0.052	0.0001	0.066	0.002	0.000	0.37	0.18	0.13
Product1	0.07	1.63	0.012	0.004	0.24	0.020	0.000	0.020	0.000	0.008	0.023	0.003	0.074	0.0000	0.048	0.000	0.000	0.36	0.17	0.13
Product2	0.10	1.62	0.012	0.004	0.25	0.020	0.000	0.020	0.000	0.008	0.023	0.003	0.074	0.0000	0.049	0.000	0.000	0.39	0.20	0.13

Mechanical Testing

N/O/L	Specimen Type	Width/Dia (inch)	Thick (inch)	Yield (PSI)	Tensile (PSI)	Elong (%)	Y/T Ratio	Remarks
1T180	ROUND	0.25	0.500	75000	88000	26	0.85	
1W	RECT	1.44	0.501		95500			BROKEN FROM BASE METAL

Guided Bend

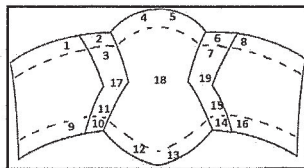
N/O/L	Root	Face
2W	OK	OK

Hydrostatic Test

TEST PRESS. PSI	HOLDING TIME (sec)
2070	20

Hardness Tests

Orientation: 1W



(HV10 - Scale)

1: 186 8: 200 15: 197
2: 198 9: 203 16: 189
3: 202 10: 200 17: 194
4: 223 11: 205 18: 224
5: 229 12: 223 19: 206
6: 198 13: 229
7: 196 14: 208

MACRO OK

DWTT Tests

Orientation	Temp	Shear		
		1 (%)	2 (%)	Avg (%)
2T90	0 F	90	90	90
PRESSED NOTCH				

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36747, S36750
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

Packing List 401351-1 (10/9/2025)

Image 540652



JSW STEEL (USA) INC.
5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6983

Sample No.: B25009571

PO Number: 310502 PO Date: 09/25/24 JSW #: JPM32797 Date: 02/28/25
Diameter (in): 30 Wall (in): 0.500 Grade: X65M_PSL2 Heat No: S36983
Plate Source: JSW Steel (USA) Inc., USA Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL
Comments: Hardness requirement as per NACE MR 0175.
Cust Spec: Customer Requirement

Pipe Manufactured in USA

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.

API 5L 46TH Ed APRIL 2018

100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches inside and outside (Longitudinal and Transverse)

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRAMEETER)

Charpy Impact Test												
N/O/L	Spec Size	Temp	Acc. Criteria (Avg/Min)	Ft lb1	Ft lb2	Ft lb3	Ft lb avg	Shear Acc. Criteria (Avg/Min)	Shear1 (%)	Shear2 (%)	Shear3 (%)	Shear Avg (%)
3T90	0.394x0.394 in	0 F	30/23	183	176	180	180	85/-	95	95	95	95
			Full Size Values:	183	176	180	180		95	95	95	95
3W	0.394x0.394 in	0 F	20/15	121	124	128	124	-				
			Full Size Values:	121	124	128	124					
3HAZ	0.394x0.394 in	0 F	20/15	173	177	170	173	-				
			Full Size Values:	173	177	170	173					

Pipes Certified For This HEAT

B25009547 B25009555 B25009563 B25009571 B25009636 B25009652 B25009733 B25009741

The material has been manufactured, sampled, tested, and inspected in accordance with this spec(API5L) and has been found to meet the requirements. These pipes are also made in accordance with ISO 9001:2008/API Q1 and JSW Steel Quality requirements. I/We certify the above to be correct as obtained in the records of the company.

Sheila Rodriguez
QA ENGINEER

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36747, S36750
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

Packing List 401351-1 (10/9/2025)

Image 540652



JSW STEEL (USA) INC.
5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6984

Sample No.: B25009598

PO Number: 310502

PO Date: 09/25/24

JSW #: JPM32797

Date: 02/28/25

Diameter (in): 30

Wall (in): 0.500

Grade: X65M_PSL2

Heat No: S36984

Plate Source: JSW Steel (USA) Inc., USA

Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL

Comments: Hardness requirement as per NACE MR 0175.

Cust Spec: Customer Requirement

Pipe Manufactured in USA

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.

100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches inside and outside (Longitudinal and Transverse)

API 5L 46TH Ed APRIL 2018

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRAMEETER)

Customer

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Ship To

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Type	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Ti	Al	N	V	B	Nb	Ca	Zr	CE	PCM	V+Nb+Ti
Min. Req.	0.00	0.00	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.000	0.000	0.000	0.00	0.00	0.00
Max. Req.	0.12	1.60	0.025	0.015	0.45	0.500	0.500	0.500	0.500	-	-	-	-	0.0010	-	-	-	0.43	0.25	0.15
Ladle	0.08	1.60	0.010	0.001	0.26	0.030	0.010	0.020	0.000	0.012	0.035	0.003	0.053	0.0001	0.062	0.002	0.000	0.36	0.18	0.13
Product1	0.07	1.62	0.012	0.004	0.26	0.010	0.000	0.010	0.004	0.009	0.024	0.003	0.074	0.0000	0.047	0.000	0.000	0.36	0.17	0.13
Product2	0.10	1.61	0.012	0.004	0.27	0.010	0.000	0.010	0.004	0.009	0.024	0.003	0.075	0.0000	0.049	0.000	0.000	0.39	0.20	0.13

Mechanical Testing

N/O/L	Specimen Type	Width/Dia (inch)	Thick (inch)	Yield (PSI)	Tensile (PSI)	Elong (%)	Y/T Ratio	Remarks
1T180	ROUND	0.25	0.500	76000	89000	25	0.85	
1W	RECT	1.43	0.501		97600			BROKEN FROM BASE METAL

Guided Bend

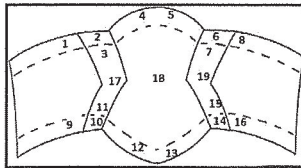
N/O/L	Root	Face
2W	OK	OK

Hydrostatic Test

TEST PRESS. PSI	HOLDING TIME (sec)
2070	20

Hardness Tests

Orientation: 1W



(HV10 - Scale)

1:198 8:202 15:207
2:203 9:197 16:203
3:185 10:204 17:199
4:213 11:207 18:217
5:229 12:211 19:201
6:203 13:214
7:198 14:198

MACRO OK

DWTT Tests

Orientation	Temp	Shear		
		1 (%)	2 (%)	Avg (%)
2T90	0 F	100	100	100

PRESSED NOTCH

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36747, S36750
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

Packing List 401351-1 (10/9/2025)

Image 540652



JSW STEEL (USA) INC.
5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6984

Sample No.: B25009598

PO Number: 310502 PO Date: 09/25/24 JSW #: JPM32797 Date: 02/28/25
Diameter (in): 30 Wall (in): 0.500 Grade: X65M_PSL2 Heat No: S36984
Plate Source: JSW Steel (USA) Inc., USA Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL
Comments: Hardness requirement as per NACE MR 0175.
Cust Spec: Customer Requirement

Pipe Manufactured in USA

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.

API 5L 46TH Ed APRIL 2018

100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches
inside and outside (Longitudinal and Transverse)

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRAMEETER)

Charpy Impact Test												
N/O/L	Spec Size	Temp	Acc. Criteria (Avg/Min)	Ft lb1	Ft lb2	Ft lb3	Ft lb avg	Shear Acc. Criteria (Avg/Min)	Shear1 (%)	Shear2 (%)	Shear3 (%)	Shear Avg (%)
3T90	0.394x0.394 in	0 F	30/23	184	188	186	186	85/-	95	95	95	95
			Full Size Values:	184	188	186	186		95	95	95	95
3W	0.394x0.394 in	0 F	20/15	121	125	123	123	-				
			Full Size Values:	121	125	123	123					
3HAZ	0.394x0.394 in	0 F	20/15	178	173	176	176	-				
			Full Size Values:	178	173	176	176					

Pipes Certified For This HEAT

B25009598 B25009601 B25009611 B25009628 B25009644 B25009661 B25009679 B25009695

The material has been manufactured, sampled, tested, and inspected in accordance with this spec(API5L) and has been found to meet the requirements.
These pipes are also made in accordance with ISO 9001:2008/API Q1 and JSW Steel Quality requirements. I/We certify the above to be correct as obtained
in the records of the company.

Sheila Rodriguez
QA ENGINEER

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36747, S36750
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

Packing List 401351-1 (10/9/2025)

Image 540652



JSW STEEL (USA) INC.
5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6986

Sample No.: B25009709

PO Number: 310502

PO Date: 09/25/24

JSW #: JPM32797

Date: 02/28/25

Diameter (in): 30

Wall (in): 0.500

Grade: X65M_PSL2

Heat No: S36986

Plate Source: JSW Steel (USA) Inc., USA

Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL

Comments: Hardness requirement as per NACE MR 0175.

Cust Spec: Customer Requirement

Pipe Manufactured in USA

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.

100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches inside and outside (Longitudinal and Transverse)

API 5L 46TH Ed APRIL 2018

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRAMEETER)

Customer

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Ship To

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Type	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Ti	Al	N	V	B	Nb	Ca	Zr	CE	PCM	V+Nb+Ti
Min. Req.	0.00	0.00	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.000	0.000	0.000	0.00	0.00	0.00
Max. Req.	0.12	1.60	0.025	0.015	0.45	0.500	0.500	0.500	0.500	-	-	-	-	0.0010	-	-	-	0.43	0.25	0.15
Ladle	0.08	1.62	0.010	0.002	0.24	0.030	0.010	0.040	0.000	0.010	0.028	0.003	0.051	0.0001	0.064	0.002	0.000	0.37	0.18	0.13
Product1	0.06	1.64	0.011	0.002	0.23	0.020	0.010	0.030	0.005	0.008	0.019	0.003	0.072	0.0000	0.048	0.000	0.000	0.36	0.16	0.13
Product2	0.08	1.63	0.012	0.004	0.24	0.020	0.010	0.030	0.005	0.008	0.019	0.003	0.072	0.0000	0.048	0.000	0.000	0.38	0.18	0.13

Mechanical Testing

N/O/L	Specimen Type	Width/Dia (inch)	Thick (inch)	Yield (PSI)	Tensile (PSI)	Elong (%)	Y/T Ratio	Remarks
1T180	ROUND	0.25	0.500	73500	86000	26	0.85	
1W	RECT	1.44	0.501		94700			BROKEN FROM BASE METAL

Guided Bend

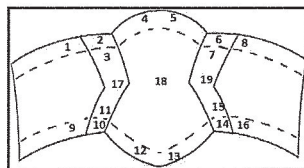
N/O/L	Root	Face
2W	OK	OK

Hydrostatic Test

TEST PRESS. PSI	HOLDING TIME (sec)
2070	20

Hardness Tests

Orientation: 1W



(HV10 - Scale)

1: 194 8: 193 15: 191
2: 178 9: 200 16: 187
3: 185 10: 204 17: 197
4: 211 11: 199 18: 223
5: 220 12: 226 19: 205
6: 203 13: 229
7: 197 14: 198

MACRO OK

DWTT Tests

Orientation	Temp	Shear		
		1 (%)	2 (%)	Avg (%)
2T90	0 F	95	95	95

PRESSED NOTCH

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36747, S36750
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

Packing List 401351-1 (10/9/2025)

Image 540652



JSW STEEL (USA) INC.
5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6986

Sample No.: B25009709

PO Number: 310502 PO Date: 09/25/24 JSW #: JPM32797 Date: 02/28/25
Diameter (in): 30 Wall (in): 0.500 Grade: X65M_PSL2 Heat No: S36986
Plate Source: JSW Steel (USA) Inc., USA Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL
Comments: Hardness requirement as per NACE MR 0175.
Cust Spec: Customer Requirement

Pipe Manufactured in USA
API 5L 46TH Ed APRIL 2018

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.
100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches inside and outside (Longitudinal and Transverse)

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRAMEETER)

N/O/L	Spec Size	Temp	Acc. Criteria (Avg/Min)	Charpy Impact Test				Shear Acc. Criteria (Avg/Min)	Shear1 (%)	Shear2 (%)	Shear3 (%)	Shear Avg (%)
				Ft lb1	Ft lb2	Ft lb3	Ft lb avg					
3T90	0.394x0.394 in	0 F	30/23	197	189	195	194	85/-	95	95	95	95
			Full Size Values:	197	189	195	194		95	95	95	95
3W	0.394x0.394 in	0 F	20/15	128	132	124	128	-				
			Full Size Values:	128	132	124	128					
3HAZ	0.394x0.394 in	0 F	20/15	183	180	175	179	-				
			Full Size Values:	183	180	175	179					

Pipes Certified For This HEAT

B25009687 B25009709 B25009725 B25010219

The material has been manufactured, sampled, tested, and inspected in accordance with this spec(API5L) and has been found to meet the requirements. These pipes are also made in accordance with ISO 9001:2008/API Q1 and JSW Steel Quality requirements. I/We certify the above to be correct as obtained in the records of the company.

Sheila Rodriguez
QA ENGINEER

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36747, S36750
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

Packing List 401351-1 (10/9/2025)

Image 540652



JSW STEEL (USA) INC.
5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6987

Sample No.: B25010261

PO Number: 310502 PO Date: 09/25/24 JSW #: JPM32797 Date: 02/28/25
Diameter (in): 30 Wall (in): 0.500 Grade: X65M_PSL2 Heat No: S36987
Plate Source: JSW Steel (USA) Inc., USA Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL
Comments: Hardness requirement as per NACE MR 0175.
Cust Spec: Customer Requirement

Pipe Manufactured in USA
API 5L 46TH Ed APRIL 2018

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.
100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches inside and outside (Longitudinal and Transverse)

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRAMEETER)

Customer

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Ship To

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Type	C	Mn	P	S	SI	Cu	Ni	Cr	Mo	Ti	Al	N	V	B	Nb	Ca	Zr	CE	PCM	V+Nb+Ti
Min. Req.	0.00	0.00	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.000	0.000	0.000	0.00	0.00	0.00
Max. Req.	0.12	1.60	0.025	0.015	0.45	0.500	0.500	0.500	0.500	-	-	-	-	0.0010	-	-	-	0.43	0.25	0.15
Ladle	0.08	1.61	0.011	0.002	0.23	0.040	0.010	0.030	0.000	0.012	0.034	0.003	0.052	0.0001	0.062	0.002	0.000	0.37	0.18	0.13
Product1	0.10	1.61	0.012	0.004	0.23	0.020	0.000	0.030	0.005	0.009	0.022	0.003	0.073	0.0000	0.047	0.000	0.000	0.39	0.20	0.13
Product2	0.07	1.60	0.012	0.004	0.24	0.020	0.000	0.030	0.005	0.009	0.022	0.003	0.074	0.0000	0.049	0.000	0.000	0.36	0.17	0.13

Mechanical Testing

N/O/L	Specimen Type	Width/Dia (inch)	Thick (inch)	Yield (PSI)	Tensile (PSI)	Elong (%)	Y/T Ratio	Remarks
1T180	ROUND	0.25	0.500	78000	88500	25	0.88	
1W	RECT	1.43	0.508		95900			BROKEN FROM BASE METAL

Guided Bend

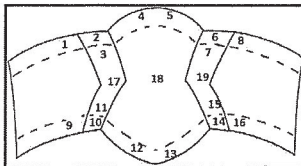
N/O/L Root Face
2W OK OK

Hydrostatic Test

TEST PRESS. HOLDING
PSI TIME
2070 (sec)
20

Hardness Tests

Orientation: 1W



(HV10 - Scale)

1: 204 8: 196 15: 196
2: 196 9: 189 16: 195
3: 203 10: 198 17: 201
4: 217 11: 194 18: 215
5: 212 12: 214 19: 201
6: 197 13: 220
7: 202 14: 204

MACRO OK

DWTT Tests

Orientation	Temp	Shear		
		1 (%)	2 (%)	Avg (%)
2T90	0 F	95	90	93

PRESSED NOTCH

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36747, S36750
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

Packing List 401351-1 (10/9/2025)

Image 540652



JSW STEEL (USA) INC.
5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6987

Sample No.: B25010261

PO Number: 310502 PO Date: 09/25/24 JSW #: JPM32797 Date: 02/28/25
Diameter (in): 30 Wall (in): 0.500 Grade: X65M_PSL2 Heat No: S36987
Plate Source: JSW Steel (USA) Inc., USA Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL
Comments: Hardness requirement as per NACE MR 0175.
Cust Spec: Customer Requirement

Pipe Manufactured in USA

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.

100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches inside and outside (Longitudinal and Transverse)

API 5L 46TH Ed APRIL 2018

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRAMEETER)

N/O/L	Spec Size	Temp	Acc. Criteria (Avg/Min)	Charpy Impact Test				Shear Acc. Criteria (Avg/Min)	Shear1 (%)	Shear2 (%)	Shear3 (%)	Shear Avg (%)
				Ft lb1	Ft lb2	Ft lb3	Ft lb avg					
3T90	0.394x0.394 in	0 F	30/23	204	200	208	204	85/-	100	100	100	100
			Full Size Values:	204	200	208	204		100	100	100	100
3W	0.394x0.394 in	0 F	20/15	142	135	140	139	-				
			Full Size Values:	142	135	140	139					
3HAZ	0.394x0.394 in	0 F	20/15	190	187	194	190	-				
			Full Size Values:	190	187	194	190					

Pipes Certified For This HEAT

B25009342 B25009351 B25009369 B25009776 B25009806 B25009814 B25009822 B25009831 B25009849 B25009857
B25009865 B25009881 B25009891 B25010197 B25010261

The material has been manufactured, sampled, tested, and inspected in accordance with this spec(API5L) and has been found to meet the requirements. These pipes are also made in accordance with ISO 9001:2008/API Q1 and JSW Steel Quality requirements. I/We certify the above to be correct as obtained in the records of the company.

Sheila Rodriguez
QA ENGINEER

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36769
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

Packing List 401351-1 (10/9/2025)

Image 542399



JSW STEEL (USA) INC.
5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6769-310502

Sample No.: B25008109

PO Number: 310502 PO Date: 02/27/25 JSW #: JPM31186 Date: 03/04/25
Diameter (in): 30 Wall (in): 0.500 Grade: X65M_PSL2 Heat No: S36769
Plate Source: JSW Steel (USA) Inc., USA Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL
Comments: Hardness requirement as per NACE MR 0175.
Cust Spec: Customer Requirement

Pipe Manufactured in USA

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004,
100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches
inside and outside (Longitudinal and Transverse)

API 5L 46TH Ed APRIL 2018

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRAMEETER)

Customer

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Ship To

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Type	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Ti	Al	N	V	B	Nb	Ca	Zr	CE	PCM	V+Nb+Ti
Min. Req.	0.00	0.00	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.000	0.000	0.000	0.00	0.00	0.00
Max. Req.	0.12	1.60	0.025	0.015	0.45	0.500	0.500	0.500	0.500	-	-	-	-	0.0010	-	-	-	0.43	0.25	0.15
Ladle	0.08	1.64	0.011	0.001	0.24	0.030	0.010	0.030	0.000	0.012	0.034	0.003	0.063	0.0001	0.065	0.003	0.000	0.37	0.18	0.14
Product1	0.07	1.61	0.012	0.004	0.27	0.010	0.000	0.020	0.005	0.009	0.022	0.003	0.081	0.0000	0.049	0.000	0.000	0.36	0.17	0.14
Product2	0.06	1.60	0.012	0.005	0.26	0.010	0.000	0.020	0.005	0.009	0.022	0.003	0.081	0.0000	0.049	0.000	0.000	0.35	0.16	0.14

Mechanical Testing

N/O/L	Specimen Type	Width/Dia (inch)	Thick (inch)	Yield (PSI)	Tensile (PSI)	Elong (%)	Y/T Ratio	Remarks
1T180	ROUND	0.25	-	79500	94000	28	0.85	
1W	RECT	1.44	0.509		104000			BROKEN FROM BASE METAL

Guided Bend

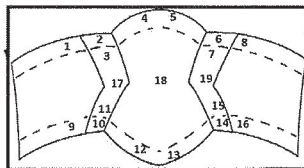
N/O/L Root Face
2W OK OK

Hydrostatic Test

TEST PRESS. HOLDING
PSI TIME
2230 20

Hardness Tests

Orientation: 1W



(HV10 - Scale)

1: 221 8: 218 15: 207
2: 205 9: 216 16: 206
3: 198 10: 199 17: 194
4: 222 11: 187 18: 225
5: 207 12: 196 19: 197
6: 196 13: 203
7: 194 14: 226

MACRO OK

DWTT Tests

Orientation	Temp	Shear		
		1 (%)	2 (%)	Avg (%)
2T90	0 F	90	90	90

PRESSED NOTCH

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36769
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

Packing List 401351-1 (10/9/2025)

Image 542399



JSW STEEL (USA) INC.
5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6769-310502

Sample No.: B25008109

PO Number: 310502

PO Date: 02/27/25

JSW #: JPM31186

Date: 03/04/25

Diameter (in): 30

Wall (in): 0.500

Grade: X65M_PSL2

Heat No: S36769

Plate Source: JSW Steel (USA) Inc., USA

Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL

Comments: Hardness requirement as per NACE MR 0175.

Cust Spec: Customer Requirement

Pipe Manufactured in USA

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.

100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches inside and outside (Longitudinal and Transverse)

API 5L 46TH Ed APRIL 2018

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRAMEETER)

Charpy Impact Test												
N/O/L	Spec Size	Temp	Acc. Criteria (Avg/Min)	Ft lb1	Ft lb2	Ft lb3	Ft lb avg	Shear Acc. Criteria (Avg/Min)	Shear1 (%)	Shear2 (%)	Shear3 (%)	Shear Avg (%)
3T90	0.394x0.394 in	0 F	30/23	200	204	198	201	85/-	100	100	100	100
			Full Size Values:	200	204	198	201		100	100	100	100
3W	0.394x0.394 in	0 F	20/15	130	138	133	134	-				
			Full Size Values:	130	138	133	134					
3HAZ	0.394x0.394 in	0 F	20/15	187	184	191	187	-				
			Full Size Values:	187	184	191	187					

Pipes Certified For This HEAT

B25008011 B25008044 B25008052 B25008061 B25008079 B25008087 B25008095 B25008109 B25008117 B25008141
B25008621 B25008631 B25008648 B25008656 B25008818 B25008834 B25009105

The material has been manufactured, sampled, tested, and inspected in accordance with this spec(API5L) and has been found to meet the requirements. These pipes are also made in accordance with ISO 9001:2008/API Q1 and JSW Steel Quality requirements. I/We certify the above to be correct as obtained in the records of the company.

Sheila Rodriguez
QA ENGINEER

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36745, S36746, S36748
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

Packing List 401351-1 (10/9/2025)

Image 549513



JSW STEEL (USA) INC.
5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6769-310502

Sample No.: B25008109

PO Number: 310502

PO Date: 02/27/25

JSW #: JPM31186

Date: 03/04/25

Diameter (in): 30

Wall (in): 0.500

Grade: X65M_PSL2

Heat No: S36769

Plate Source: JSW Steel (USA) Inc., USA

Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL

Comments: Hardness requirement as per NACE MR 0175.

Cust Spec: Customer Requirement

Pipe Manufactured in USA

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.

100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches inside and outside (Longitudinal and Transverse)

API 5L 46TH Ed APRIL 2018

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRAMEETER)

Customer

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Ship To

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Type	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Ti	Al	N	V	B	Nb	Ca	Zr	CE	PCM	V+Nb+Ti
Min. Req.	0.00	0.00	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.000	0.000	0.000	0.00	0.00	0.00
Max. Req.	0.12	1.60	0.025	0.015	0.45	0.500	0.500	0.500	0.500	-	-	-	-	0.0010	-	-	-	0.43	0.25	0.15
Ladle	0.08	1.64	0.011	0.001	0.24	0.030	0.010	0.030	0.000	0.012	0.034	0.003	0.063	0.0001	0.065	0.003	0.000	0.37	0.18	0.14
Product1	0.07	1.61	0.012	0.004	0.27	0.010	0.000	0.020	0.005	0.003	0.022	0.003	0.081	0.0000	0.049	0.000	0.000	0.36	0.17	0.14
Product2	0.06	1.60	0.012	0.005	0.26	0.010	0.000	0.020	0.005	0.003	0.022	0.003	0.081	0.0000	0.049	0.000	0.000	0.36	0.16	0.14

Mechanical Testing

N/O/L	Specimen Type	Width/Dia (inch)	Thick (inch)	Yield (PSI)	Tensile (PSI)	Elong (%)	Y/T Ratio	Remarks
1T180	ROUND	0.25	-	79500	94000	28	0.85	
1W	RECT	1.44	0.509	-	104000	-	-	BROKEN FROM BASE METAL

Guided Bend

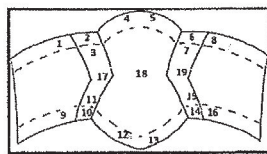
N/O/L Root Face
2W OK OK

Hydrostatic Test

TEST PRESS. HOLDING
PSI TIME (sec)
2230 20

Hardness Tests

Orientation: 1W



(HV10 - Scale)

1:221 8:218 15:207
2:205 9:216 16:206
3:198 10:199 17:194
4:222 11:187 18:226
5:207 12:196 19:197
6:196 13:203
7:194 14:226

MACRO OK

DWTT Tests

Orientation	Temp	Shear		
		1 (%)	2 (%)	Avg (%)
2T90	0 F	90	90	90

PRESSED NOTCH

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36745, S36746, S36748
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

Packing List 401351-1 (10/9/2025)

Image 549513



JSW STEEL (USA) INC.
5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6769-310502

Sample No.: B25008109

PO Number: 310502

PO Date: 02/27/25

JSW #: JPM31186

Date: 03/04/25

Diameter (in): 30

Wall (in): 0.500

Grade: X65M_PSL2

Heat No: S36769

Plate Source: JSW Steel (USA) Inc., USA

Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL

Comments: Hardness requirement as per NACE MR 0175.

Cust Spec: Customer Requirement

Pipe Manufactured in USA

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.

API 5L 46TH Ed APRIL 2018

100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches inside and outside (Longitudinal and Transverse)

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRAMETER)

Charpy Impact Test												
N/O/L	Spec Size	Temp	Acc. Criteria (Avg/Min)	Ft lb1	Ft lb2	Ft lb3	Ft lb avg	Shear Acc. Criteria (Avg/Min)	Shear1 (%)	Shear2 (%)	Shear3 (%)	Shear Avg (%)
3T90	0.394x0.394 in	0 F	30/23	200	204	198	201	85/-	100	100	100	100
		Full Size Values:		200	204	198	201		100	100	100	100
3W	0.394x0.394 in	0 F	20/15	130	138	133	134	-				
		Full Size Values:		130	138	133	134					
3HAZ	0.394x0.394 in	0 F	20/15	187	184	191	187	-				
		Full Size Values:		187	184	191	187					

Pipes Certified For This HEAT

B25008011 B25008044 B25008052 B25008061 B25008079 B25008087 B25008095 B25008109 B25008117 B25008141
B25008621 B25008631 B25008648 B25008656 B25008818 B25008834 B25009105

The material has been manufactured, sampled, tested, and inspected in accordance with this spec (API 5L) and has been found to meet the requirements. These pipes are also made in accordance with ISO 9001:2008/API Q1 and JSW Steel Quality requirements. I/We certify the above to be correct as obtained in the records of the company.

Sheila Rodriguez
QA ENGINEER

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36745, S36746, S36748
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

Packing List 401351-1 (10/9/2025)

Image 549513



JSW STEEL (USA) INC.
5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6748-310502

Sample No.: B25008257

PO Number: 310502

PO Date: 02/27/25

JSW #: JPM31186

Date: 03/04/25

Diameter (in): 30

Wall (in): 0.500

Grade: X65M_PSL2

Heat No: S36748

Plate Source: JSW Steel (USA) Inc., USA

Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL

Comments: Hardness requirement as per NACE MR 0175.

Cust Spec: Customer Requirement

Pipe Manufactured in USA

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.

100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches
inside and outside (Longitudinal and Transverse)

API 5L 46TH Ed APRIL 2018

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRAMEETER)

Customer

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Ship To

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Type	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Ti	Al	N	V	B	Nb	Ca	Zr	CE	PCM	V+Nb+Ti
Min. Req.	0.00	0.00	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.000	0.000	0.000	0.00	0.00	0.00
Max. Req.	0.12	1.60	0.025	0.015	0.45	0.500	0.500	0.500	0.500	-	-	-	-	0.0010	-	-	-	0.43	0.25	0.15
Ladle	0.08	1.67	0.011	0.002	0.28	0.020	0.010	0.030	0.000	0.011	0.037	0.002	0.062	0.0001	0.063	0.002	0.000	0.38	0.18	0.14
Product1	0.06	1.61	0.012	0.005	0.27	0.010	0.000	0.020	0.005	0.008	0.023	0.003	0.083	0.0000	0.047	0.000	0.000	0.35	0.16	0.14
Product2	0.06	1.60	0.012	0.004	0.26	0.010	0.000	0.020	0.005	0.008	0.022	0.003	0.082	0.0000	0.045	0.000	0.000	0.35	0.16	0.14

Mechanical Testing

N/O/L	Specimen Type	Width/Dia (inch)	Thick (inch)	Yield (PSI)	Tensile (PSI)	Elong (%)	Y/T Ratio	Remarks
1T180	ROUND	0.25	-	79500	92500	24	0.86	
1W	RECT	1.43	0.503		100000			BROKEN FROM BASE METAL

Guided Bend

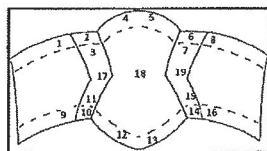
N/O/L Root Face
2W OK OK

Hydrostatic Test

TEST PRESS. HOLDING
PSI TIME
2230 (sec)
20

Hardness Tests

Orientation: 1W



(HV10 - Scale)

1:213 8:222 15:230
2:215 9:212 16:210
3:230 10:230 17:228
4:233 11:227 18:237
5:230 12:218 19:196
6:222 13:209
7:212 14:221

MACRO OK

DWTT Tests

Shear

Orien	Temp	1 (%)	2 (%)	Avg (%)
2T90	0 F	100	95	98

PRESSED NOTCH

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36745, S36746, S36748
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

Packing List 401351-1 (10/9/2025)

Image 549513



JSW STEEL (USA) INC.
5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6748-310502

Sample No.: B25008257

PO Number: 310502

PO Date: 02/27/25

JSW #: JPM31186

Date: 03/04/25

Diameter (in): 30

Wall (in): 0.500

Grade: X65M_PSL2

Heat No: S36748

Plate Source: JSW Steel (USA) Inc., USA

Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL

Comments: Hardness requirement as per NACE MR 0175.

Cust Spec: Customer Requirement

Pipe Manufactured in USA

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.

API 5L 46TH Ed APRIL 2018

100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches inside and outside (Longitudinal and Transverse)

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRAMEETER)

Charpy Impact Test												
N/O/L	Spec Size	Temp	Acc. Criteria (Avg/Min)	Charpy Impact Test				Shear Acc. Criteria (Avg/Min)	Shear			
				Ft lb1	Ft lb2	Ft lb3	Ft lb avg		Shear1 (%)	Shear2 (%)	Shear3 (%)	Shear Avg (%)
3T90	0.394x0.394 in	0 F	30/23	186	180	192	186	85/-	95	95	95	95
		Full Size Values:		186	180	192	186		95	95	95	95
3W	0.394x0.394 in	0 F	20/15	127	122	131	127	-				
		Full Size Values:		127	122	131	127					
3HAZ	0.394x0.394 in	0 F	20/15	174	178	170	174	-				
		Full Size Values:		174	178	170	174					

Pipes Certified For This HEAT

B25008206 B25008214 B25008222 B25008231 B25008249 B25008257 B25008311 B25008338 B25008346 B25008354
B25008524 B25008541 B25008559 B25008681 B25008801

The material has been manufactured, sampled, tested, and inspected in accordance with this spec(API 5L) and has been found to meet the requirements. These pipes are also made in accordance with ISO 9001:2008/API Q 1 and JSW Steel Quality requirements. We certify the above to be correct as obtained in the records of the company.

Sheila Rodriguez
QA ENGINEER

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36745, S36746, S36748
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

Packing List 401351-1 (10/9/2025)

Image 549513



JSW STEEL (USA) INC.
5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6746-310502

Sample No.: B25009016

PO Number: 310502 PO Date: 02/27/25 JSW #: JPM31186 Date: 03/04/25
Diameter (in): 30 Wall (in): 0.500 Grade: X65M_PSL2 Heat No: S36746
Plate Source: JSW Steel (USA) Inc., USA Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL
Comments: Hardness requirement as per NACE MR 0175.
Cust Spec: Customer Requirement

Pipe Manufactured in USA

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.

API 5L 46TH Ed APRIL 2018

100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches
inside and outside (Longitudinal and Transverse)

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRAMEETER)

Customer
EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Ship To
EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Type	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Ti	Al	N	V	B	Nb	Ca	Zr	CE	PCM	V+Nb +Ti
Min. Req.	0.00	0.00	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.000	0.000	0.000	0.00	0.00	0.00
Max. Req.	0.12	1.60	0.025	0.015	0.45	0.500	0.500	0.500	0.500	-	-	-	-	0.0010	-	-	-	0.43	0.25	0.15
Ladle	0.09	1.64	0.011	0.002	0.28	0.030	0.010	0.020	0.000	0.012	0.038	0.002	0.062	0.0001	0.004	0.002	0.000	0.38	0.19	0.14
Product1	0.07	1.64	0.012	0.004	0.28	0.010	0.000	0.020	0.005	0.009	0.024	0.003	0.086	0.0000	0.050	0.000	0.000	0.37	0.17	0.15
Product2	0.08	1.66	0.012	0.004	0.28	0.010	0.000	0.020	0.005	0.010	0.024	0.003	0.086	0.0000	0.052	0.000	0.000	0.38	0.18	0.15

Mechanical Testing

N/O/L	Specimen Type	Width/Dia (inch)	Thick (inch)	Yield (PSI)	Tensile (PSI)	Elong (%)	Y/T Ratio	Remarks
1T180	ROUND	0.25	-	74500	89500	25	0.83	
1W	RECT	1.44	0.504	-	89400	-	-	BROKEN FROM BASE METAL

Guided Bend

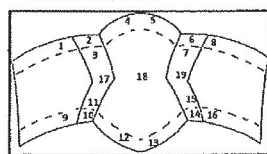
N/O/L Root Face
2W OK OK

Hydrostatic Test

TEST PRESS. HOLDING
PSI TIME
2230 (sec)
20

Hardness Tests

Orientation: 1W



(HV10 - Scale)

1: 208 8: 205 15: 189
2: 202 9: 203 16: 194
3: 216 10: 175 17: 192
4: 222 11: 188 18: 224
5: 225 12: 215 19: 209
6: 203 13: 213
7: 201 14: 198

MACRO OK

DWTT Tests

Orien tation	Temp	Shear		
		1 (%)	2 (%)	Avg (%)
2T90	0 F	95	90	93

PRESSED NOTCH

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36745, S36746, S36748
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

Packing List 401351-1 (10/9/2025)

Image 549513



JSW STEEL (USA) INC.
5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6746-310502

Sample No.: B25009016

PO Number: 310502

PO Date: 02/27/25

JSW #: JPM31186

Date: 03/04/25

Diameter (in): 30

Wall (in): 0.500

Grade: X65M_PSL2

Heat No: S36746

Plate Source: JSW Steel (USA) Inc., USA

Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL

Comments: Hardness requirement as per NACE MR 0175.

Cust Spec: Customer Requirement

Pipe Manufactured in USA

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.

API 5L 46TH Ed APRIL 2018

100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches inside and outside (Longitudinal and Transverse)

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRATOR)

Charpy Impact Test												
N/O/L	Spec Size	Temp	Acc. Criteria (Avg/Min)	Ft lb1	Ft lb2	Ft lb3	Ft lb avg	Shear Acc. Criteria (Avg/Min)	Shear1 (%)	Shear2 (%)	Shear3 (%)	Shear Avg (%)
3T90	0.394x0.394 in	0 F	30/23	221	213	219	218	85/-	100	100	100	100
			Full Size Values:	221	213	219	218		100	100	100	100
3W	0.394x0.394 in	0 F	20/15	148	142	147	146	-				
			Full Size Values:	148	142	147	146					
3HAZ	0.394x0.394 in	0 F	20/15	199	204	201	201	-				
			Full Size Values:	199	204	201	201					

Pipes Certified For This HEAT

B25007978 B25008036 B25008151 B25008168 B25008176 B25008184 B25008931 B25008958 B25008966 B25008974
B25008991 B25009008 B25009016 B25009024 B25009032 B25009041

The material has been manufactured, sampled, tested, and inspected in accordance with this spec (API 5L) and has been found to meet the requirements. These pipes are also made in accordance with ISO 9001:2008/API Q1 and JSW Steel Quality requirements. I/We certify the above to be correct as obtained in the records of the company.

Sheila Rodriguez
QA ENGINEER

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36745, S36746, S36748
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

Packing List 401351-1 (10/9/2025)

Image 549513



JSW STEEL (USA) INC.
5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6745-310502

Sample No.: B25008941

PO Number: 310502

PO Date: 02/27/25

JSW #: JPM31186

Date: 03/04/25

Diameter (in): 30

Wall (in): 0.500

Grade: X65M_PSL2

Heat No: S36745

Plate Source: JSW Steel (USA) Inc., USA

Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL

Comments: Hardness requirement as per NACE MR 0175.

Cust Spec: Customer Requirement

Pipe Manufactured in USA

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.

100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches inside and outside (Longitudinal and Transverse)

API 5L 46TH Ed APRIL 2018

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRIMETER)

Customer

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Ship To

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Type	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Ti	Al	N	V	B	Nb	Ca	Zr	CE	PCM	V+Nb+Ti
Min. Req.	0.00	0.00	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.000	0.000	0.000	0.00	0.00	0.00
Max. Req.	0.12	1.60	0.025	0.015	0.45	0.500	0.500	0.500	0.500	-	-	-	-	0.0010	-	-	-	0.43	0.25	0.15
Ladle	0.08	1.61	0.012	0.001	0.27	0.030	0.010	0.030	0.000	0.012	0.041	0.003	0.063	0.0001	0.063	0.002	0.000	0.37	0.18	0.14
Product1	0.08	1.65	0.012	0.005	0.26	0.030	0.000	0.020	0.000	0.010	0.023	0.004	0.084	0.0000	0.052	0.000	0.000	0.38	0.18	0.15
Product2	0.08	1.65	0.011	0.005	0.27	0.000	0.000	0.020	0.000	0.010	0.022	0.004	0.083	0.0000	0.051	0.000	0.000	0.38	0.18	0.14

Mechanical Testing

N/O/L	Specimen Type	Width/Dia (inch)	Thick (inch)	Yield (PSI)	Tensile (PSI)	Elong (%)	Y/T Ratio	Remarks
1T180	ROUND	0.25	-	73500	87000	26	0.84	
1W	RECT	1.43	0.505		98100			BROKEN FROM BASE METAL

Guided Bend

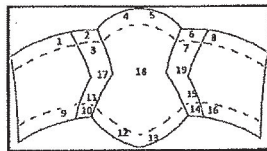
N/O/L Root Face
2W OK OK

Hydrostatic Test

TEST PRESS. HOLDING
PSI TIME (sec)
2230 20

Hardness Tests

Orientation: 1W



(HV10 - Scale)

1:206 8:205 15:189
2:209 9:198 16:201
3:229 10:175 17:194
4:227 11:181 18:232
5:224 12:225 19:212
6:207 13:224
7:199 14:181

MACRO OK

DWTT Tests

Orien tation	Temp	Shear		
		1 (%)	2 (%)	Avg (%)
2T90	0 F	95	95	95
PRESSED NOTCH				

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36745, S36746, S36748
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

Packing List 401351-1 (10/9/2025)

Image 549513



JSW STEEL (USA) INC.
5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6745-310502

Sample No.: B25008941

PO Number: 310502

PO Date: 02/27/25

JSW #: JPM31186

Date: 03/04/25

Diameter (in): 30

Wall (in): 0.500

Grade: X65M_PSL2

Heat No: S36745

Plate Source: JSW Steel (USA) Inc., USA

Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL

Comments: Hardness requirement as per NACE MR 0175.

Cust Spec: Customer Requirement

Pipe Manufactured in USA

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.

100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches inside and outside (Longitudinal and Transverse)

API 5L 46TH Ed APRIL 2018

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRIMETER)

N/O/L	Spec Size	Temp	Acc. Criteria (Avg/Min)	Charpy Impact Test				Shear Acc. Criteria (Avg/Min)	Shear1 (%)	Shear2 (%)	Shear3 (%)	Shear Avg (%)
				Ft lb1	Ft lb2	Ft lb3	Ft lb avg					
3T90	0.394x0.394 in	0 F	30/23	206	209	202	206	85/-	100	100	100	100
		Full Size Values:		206	209	202	206		100	100	100	100
3W	0.394x0.394 in	0 F	20/15	146	138	143	142	-				
		Full Size Values:		146	138	143	142					
3HAZ	0.394x0.394 in	0 F	20/15	197	193	199	196	-				
		Full Size Values:		197	193	199	196					

Pipes Certified For This HEAT

B25008192 B25008923 B25008941 B25008982

The material has been manufactured, sampled, tested, and inspected in accordance with this spec(API5L) and has been found to meet the requirements. These pipes are also made in accordance with ISO 9001:2008/API Q1 and JSW Steel Quality requirements. We certify the above to be correct as obtained in the records of the company.

Sheila Rodriguez
QA ENGINEER

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36745, S36746, S36748
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

Packing List 401351-1 (10/9/2025)

Image 549513



JSW STEEL (USA) INC.
5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6768-310502

Sample No.: B25008711

PO Number: 310502

PO Date: 02/27/25

JSW #: JPM31186

Date: 03/04/25

Diameter (in): 30

Wall (in): 0.500

Grade: X65M_PSL2

Heat No: S36768

Plate Source: JSW Steel (USA) Inc., USA

Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL

Comments: Hardness requirement as per NACE MR 0175.

Cust Spec: Customer Requirement

Pipe Manufactured in USA

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.

100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches
inside and outside (Longitudinal and Transverse)

API 5L 46TH Ed APRIL 2018

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRAMEETER)

Customer

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Ship To

EDGEN MURRAY CORP
10370 RICHMOND AVE
HOUSTON, TX 77042

Type	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Ti	Al	N	V	B	Nb	Ca	Zr	CE	PCM	V+Nb+Ti
Min. Req.	0.00	0.00	0.000	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.000	0.000	0.000	0.00	0.00	0.00
Max. Req.	0.12	1.60	0.025	0.015	0.45	0.500	0.500	0.500	0.500	-	-	-	-	0.0010	-	-	-	0.43	0.25	0.15
Ladle	0.08	1.64	0.011	0.002	0.24	0.030	0.010	0.030	0.000	0.013	0.035	0.003	0.004	0.0001	0.065	0.002	0.000	0.37	0.18	0.14
Product1	0.08	1.61	0.012	0.005	0.25	0.010	0.000	0.020	0.005	0.010	0.023	0.003	0.083	0.0000	0.050	0.000	0.000	0.35	0.16	0.14
Product2	0.06	1.61	0.012	0.005	0.25	0.010	0.000	0.020	0.005	0.010	0.023	0.003	0.083	0.0000	0.050	0.000	0.000	0.35	0.16	0.14

Mechanical Testing

N/O/L	Specimen Type	Width/Dia (inch)	Thick (inch)	Yield (PSI)	Tensile (PSI)	Elong (%)	Y/T Ratio	Remarks
1T180	ROUND	0.25	-	77000	90500	23	0.85	
1W	RECT	1.43	0.506	-	97900	-	-	BROKEN FROM BASE METAL

Guided Bend

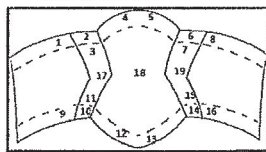
N/O/L Root Face
2W OK OK

Hydrostatic Test

TEST PRESS. HOLDING
PSI TIME
2230 (sec)
20

Hardness Tests

Orientation: 1W



(HV10 - Scale)

1: 206 8: 190 15: 205
2: 189 9: 203 16: 201
3: 185 10: 196 17: 199
4: 221 11: 202 18: 217
5: 224 12: 224 19: 201
6: 203 13: 219
7: 197 14: 197

MACRO OK

DWTT Tests

Shear

Orien	Temp	1 (%)	2 (%)	Avg (%)
2T90	0 F	90	90	90

PRESSED NOTCH

Our Order 2490391-1-1 Your Order 40279-BW
Heat S36745, S36746, S36748
Desc Pipe SAWL API 5L X65,30.000 x .500 - 30" XH x 40'

Packing List 401351-1 (10/9/2025)

Image 549513



JSW STEEL (USA) INC.
5200 E. McKinney Rd
Baytown, TX 77520
Phone: (281) 383-3300
Fax: (281) 303-0473

Metallurgical and Pipe Test Report

MTR No.: 310502-6768-310502

Sample No.: B25008711

PO Number: 310502

PO Date: 02/27/25

JSW #: JPM31186

Date: 03/04/25

Diameter (in): 30

Wall (in): 0.500

Grade: X65M_PSL2

Heat No: S36768

Plate Source: JSW Steel (USA) Inc., USA

Slab Source: ARCELOR MITTAL, SAO GONCALO, BRAZIL

Comments: Hardness requirement as per NACE MR 0175.

Cust Spec: Customer Requirement

Pipe Manufactured in USA

SAWL MATERIAL
THERMO MECHANICAL ROLLED

INSPECTION CERTIFICATE: 3.1 IN ACCORDANCE WITH EN 10204:2004.

API 5L 46TH Ed APRIL 2018

100% Weld seam inspection by ultrasonic testing method; Calibration standard: N5 notches inside and outside (Longitudinal and Transverse)

PIPE END UST: 1/2T X 0.25" FBH(1" EACH END CIRCUMFERENCE)
END X-RAY: 8" (ASTM - B PENETRAMEETER)

N/O/L	Spec Size	Temp	Acc. Criteria (Avg/Min)	Charpy Impact Test				Shear Acc. Criteria (Avg/Min)	Shear1 (%)	Shear2 (%)	Shear3 (%)	Shear Avg (%)
				Ft lb1	Ft lb2	Ft lb3	Ft lb avg					
3T90	0.394x0.394 in	0 F	30/23	217	211	215	214	85/-	100	100	100	100
			Full Size Values:	217	211	215	214	-	100	100	100	100
3W	0.394x0.394 in	0 F	20/15	146	140	149	145	-	-	-	-	-
			Full Size Values:	146	140	149	145	-	-	-	-	-
3HAZ	0.394x0.394 in	0 F	20/15	199	208	204	204	-	-	-	-	-
			Full Size Values:	199	208	204	204	-	-	-	-	-

Pipes Certified For This HEAT

B25008435 B25008711 B25008729

The material has been manufactured, sampled, tested, and inspected in accordance with this spec(API 5L) and has been found to meet the requirements. These pipes are also made in accordance with ISO 9001:2008/API Q1 and JSW Steel Quality requirements. I/We certify the above to be correct as obtained in the records of the company.

Sheila Rodriguez
QA ENGINEER