



**September 13, 2013**

**Magnegas Corporation  
35246 US Highway 19  
Palm Harbor, Fl. 34684**

**Test welded Procedure Qualification plate cut with Magnegas gas.**

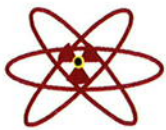
**Certified Testing Laboratories tested procedure that was cut with Magnegas, first by radiograph of welded plate. Plate was then cut with Magnegas in strips for testing. Two (2) root bends and two (2) face bends were conducted and were in compliance with AWS D1.1-2010. In addition CTL conducted two (2) tensile tests as required, tensile test was within 58,000 to 80,000 Ksi. All tests were in accordance with American Welding Society (AWS) D1.1-2010.**

**Certified Testing Laboratories' conclusion is that cutting metal with Magnegas does not affect metal.**

**If any further questions please contact me.**

**Thank you**

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## WELDING PROCEDURE QUALIFICATION TESTS

WELDING CODE: AWS D1.1-2010

COMPANY	<u>MAGNEGAS CORPERATION</u>	DATE	<u>SEPTEMBER 13, 2013</u>
PROCEDURE NO.	<u>NOT PROVIDED</u>	MANUAL	<u>MANUAL</u>
WELDING PROCESS	<u>GMAW - P</u>	MATERIAL SPEC	<u>CARBON STEEL</u>
THICKNESS (IF PIPE, DIA. & WALL)	<u>.375" PLATE</u>	TRADE NAME	<u>Lincoln Super Arc L-59</u>
FILLER METAL	<u>ER70S-6</u>	TYPE OF BACKING	<u>1/ 4"x 2 C/S</u>
FILLER WIRE-DIAMETER	<u>.045"</u>	UPHILL OR DOWNHILL	<u>Uphill</u>

WELDING PROCEDURE		WELDING TECHNIQUES			
SINGLE/MULTIPLE PASS	Multiple	AMPS	240-260	VOLTS	24
SINGLE/MULTIPLE ARC	Single	CURRENT	DC	POLARITY	Reverse
POSITION OF GROOVE	1G	SHIELDING GAS	75% Argon/25% Co <sup>2</sup>	INCHES PER MIN.	10-12
WELDERS NAME	Ocain	STAMP	Not Provided		
WITNESSED BY	John	DATE	September 5, 2013		

### REDUCED SECTION TENSILE TEST

SPECIMEN NO.	DIMENSIONS		AREA	ULTIMATE TOTAL LOAD, LB	ULTIMATE UNIT STRESS, PSI	CHARACTER OR FAILURE AND LOCATION
	WIDTH	THICKNESS				
1	1.121"	0.328	0.384"	26,100	67,968	Base Metal / Ductile
2	1.226"	0.329	0.403"	27,000	68,486	Base Metal / Ductile

### GUIDED BEND TEST

TYPE AND FIGURE NO.	RESULT	TYPE AND FIGURE NO.	RESULT
Root Bend # 1	Acceptable	Face Bend # 1	Acceptable
Root Bend # 2	Acceptable	Face Bend # 2	Acceptable

### FILLET TEST RESULTS

Weld Appearance:	Fillet Size:
Macro Etch Test Results:	Position:
Fracture Test Results:	

### RADIOGRAPHIC INSPECTION TEST

FILM I.D.	RESULTS	REMARKS	FILM I.D.	RESULTS	REMARKS
A - B	Acceptable				

The above Procedure Qualification by virtue of these tests DOES meet Procedure Qualification requirements in accordance with AWS D1.1-2010.

Tests Conducted By: Chris Reed Level: III Date: September 13, 2013 Laboratory Test No. CTL-0606W