



Destructive Test Report

Welders Name: Robert Lord

Company: AWCO (Anderson Welding)

WPS No: NGA-SMAW

Test Date: 1/3/2023

Welder I.D. No: RL

Customer: Unitil

Code or Standard: API 1104, 21st Edition

Specification and Type / Grade of Base Material(s): API 5L X42

Material Minimum Required Tensile: 60 ksi

Tensile Strength Tests

Coupon Identification	Failure Location	Specimen Width	Specimen Thickness	Specimen Area (in ²)	Ultimate Stress	Tensile Strength	Results
T1	Base Metal-Pipe	1.177	0.381	0.448437	33,150	73,923	Acceptable
T2	Base Metal-Pipe	1.143	0.383	0.437769	33,150	75,725	Acceptable

Bend Tests

Coupon Identification	Results
RB1 - Root Bend	Acceptable
RB2 - Root Bend	Acceptable

Coupon Identification	Results

Nick Break Tests

Coupon Identification	Results
N1 - Butt Joint	Acceptable
N2 - Butt Joint	Acceptable

Coupon Identification	Results
N1 - Throat - Branch Saddle	Acceptable
N2 - Throat - Branch Saddle	Acceptable
N3 - Ear - Branch Saddle	Acceptable
N4 - Ear - Branch Saddle	Acceptable

Additional Comments: Initial 5yr welder performance qualification testing.

We certify that the statements in this record are correct and that the test was performed in accordance with the requirements of API 1104, 21st Edition.

Destructive Tests Performed by: Brian Ayotte - AWS CWI

Signature:

AWS No:



Brian R. Ayotte
CWI 12091601
QC1 EXP. 9/1/2027

Date:

1/8/2025

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