

Destructive Test Report

Welders Name:	Robert Lord	Test Date:	1/3/2023
Company:	AWCO (Anderson Welding)	Welder I.D. No:	RL
WPS No:	NGA-SMAW	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 (in²)	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

Results
Acceptable
Acceptable
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.

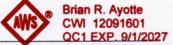
We certify that the statements in this record are correct and that the test was performed in accordance with the requirements of API 1104, 21st Edition.

Destructive Tests Performed by:

Brian Ayotte - AWS CWI

Signature:

AWS No:



Date: 1/8/2025

499 Broadway, PMB 104, Bangor, ME 04401