

PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:

Corrosion Testing Services, LLC

895 Ardmore Hwy., Taft, TN 38488

(Hereinafter called the Organization) and hereby declares that Organization is accredited in accordance with the recognized International Standard:

ISO/IEC 17025:2017

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

Mechanical Testing
(As detailed in the supplement)

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Tracy Szerszen

President

Initial Accreditation Date:

Issue Date:

Expiration Date:

December 8, 2018

February 03, 2023

March 31, 2025

Accreditation No.:

Certificate No.:

102837

L23-88

Perry Johnson Laboratory Accreditation, Inc. (PJLA) 755 W. Big Beaver, Suite 1325 Troy, Michigan 48084

The validity of this certificate is maintained through ongoing assessments based on a continuous accreditation cycle. The validity of this certificate should be confirmed through the PJLA website: www.pjlabs.com





Certificate of Accreditation: Supplement

Corrosion Testing Service, LLC

895 Ardmore Hwy., Taft, TN 38488 Contact Name: George Waid Phone:931-438-4224

Accreditation is granted to the facility to perform the following testing:

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT
Mechanical ^F	Resistance to Cracking Failure of	Corrosion Tensile Testing	NACE Test TM0177 Method A/ASTM G49	Up to 10 000 lbf
	Alloys	Bent-Beam Stress-	NACE Test TM0177	Up to 0.25 in of
	(Steel & CRA's)	Corrosion Test	Method B	Deflection
		C-Ring Test	NACE Test TM0177 Method C/ASTM G38	Up to 2 in of Deflection
		Double Cantilever Beam	NACE Test TM0177 Method D/ASTM G168	Up to 2 000 lbf
		Testing at Elevated	NACE-TM0177	D.L. = 5 000 psi
		Temperature/Pressure	Methods A, B, C, D ASTM G111 & G58	D.L. = 600 °F
		Four-Point Bend Testing	NACE Test TM0177	Up to 1 in of Deflection
		Material for Oil & Gas	Methods A, B, C, D and TM0316/ASTM G39	
		Slow Strain Rate Test for	NACE TM0198/ASTM	Up to 10 000 lbf
		Screening Corrosion-	G129	
		Resistance Alloys (CRA's)		
		for Stress Corrosion		
		Cracking in Sour Oilfield	3	
		Service		
	Cracking Failure of Alloys (Steel)	Hydrogen Induced Cracking	NACE Test TM0284	Pass/Fail
	Resistance to	Corrosion Tensile Testing	NACE Test TM0177	Customer Defined
	Cracking Failure of	Corrosion Tensile Testing	Method A/ASTM G49	Customer Bernied
	Steel	Bent-Beam Stress-	NACE Test TM1077	†
	Steel	Corrosion Test	Method B	
		C-Ring Test	NACE Test TM0177	
		C-King Test	Method C/ASTM G38	
		Double Cantilever Beam	NACE TM0177 Method	=
			D/ASTM 168	
		Testing at Elevated	NACE Test TM0177	
		Temperature/Pressure	Methods A, B, C & D ASTM G58 & G111	
		Hydrogen Induced Cracking	NACE- TM0284	
		Four-Point Bend Testing Material for Oil & Gas	NACE Test TM0177 Methods A, B, C & D	Up to 1 in of Deflection
		The state of the s	and TM0316/ASTM G39 & G58	





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Mechanical F	Resistance to Cracking Failure of Steel	Slow Strain Rate Test for Screening Corrosion- Resistance Alloys (CRA's) for Stress Corrosion Cracking in Sour Oilfield Service	NACE TM0198/ASTM G129	Up to 10 000 lbf
	Tensile Strength, Yield Strength, Elongation & Reduction of Area	Tensile Testing of Metals	ASTM A370 ASTM E8	Load Cell Capabilities Up to 10 000 lbf
	Metallic Material Hardness	Hardness Testing	ASTM E18	20 HRC to 70 HRC 65 HRB to 100 HRB 40 HRA to 85 HRA
Mechanical ^F (Metallurgical)	Metallic Materials	Grain Size	ASTM E112	Visual Evaluation

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Outside Micrometer^F would mean that the laboratory performs this testing at its fixed location.

