PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Lone Star Heat Treating Corp.

3939 Blaffer Street, Houston, TX 77026

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

ISO/IEC 17025:2005

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/Operations Manager

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

Initial Accreditation Date:	*Issue Date:*	*Expiration Date:*
February 11, 2016	May 5, 2018	July 31, 2020

Accreditation No.:	*Certificate No.:*
89036	L18-211

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

Lone Star Heat Treating Corp.

3939 Blaffer Street, Houston, TX 77026
Contact Name: Cory Williams Phone: 713-672-6616

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]	Metallic Materials – Tensile	Tensile Strength Yield Strength Elongation Reduction of Area	ASTM A370 and E8	120 000 lbf Max.
	Metallic Materials – Charpy Impact	Energy Absorbed (ft·lbs) Percentage Shear Fracture Lateral Expansion	ASTM A370 and E23	260 ft·lb Max -150 °F to Room Temperature
	Metallic Materials – Hardness	Vickers Hardness	ASTM E384	107 HV to 940 HV
		Rockwell Hardness	ASTM E18	18 HRC to 68 HRC 61 HRA to 85 HRA 40 HRB to 100 HRB 70 HR15N to 93 HR15N

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.