



CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

Texas Energy Laboratories, Inc.

1833 Lauder Road
Houston, TX 77039

has been assessed by ANAB and meets the requirements of international standard

ISO/IEC 17025:2017

while demonstrating technical competence in the field of

TESTING

Refer to the accompanying Scope of Accreditation for information regarding the types of activities to which this accreditation applies

L2440

Certificate Number


ANAB Approval

Certificate Valid Through: 12/17/2021
Version No. 003 Issued: 09/12/2019



This laboratory 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 (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



ANSI National Accreditation Board

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Texas Energy Laboratories, Inc.

1833 Lauder Road
Houston, TX 77039
Keith Nguyen
281 442 6733

TESTING

Valid to: **December 17, 2021**

Certificate Number: **L2440**

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Rockwell Hardness HRB, HRC	ASTM E18 ASTM A370 ASTM E140	Metallic Materials	100kg 1/16" Tungsten Ball, 150kg Diamond
Brinell Hardness (HBW) 3 000 kgf	ASTM E10 ASTM A370	Metallic Materials	10mm Tungsten Carbide
Charpy Impact (Up to 264) lbf/ft	ASTM E23 ASTM A370	Metallic Materials	Room Temperature, Sub-Ambient Temperature
Tensile Testing (Up to 60 000) lbf	ASTM E8 ASTM A370	Metallic Materials	Room Temperature
Determining Average Grain Size (Up to 100X Magnification)	ASTM E112	Metallic Materials	Comparison Method

Note:

1. This laboratory offers commercial testing service.
2. The following site-specific scope and objectives have been established by the management team to support the Bluewater Thermal Solutions quality policy (QP-BTS-5.0). They serve to provide a basis for the continual improvement of the Quality Management System.
3. This scope is formatted as part of a single document including Certificate of Accreditation No. L2440.



Vice President