



# CERTIFICATE OF ACCREDITATION

## ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

**Doble Engineering Company**  
**2200 Gateway Center Boulevard, Suite 207**  
**Morrisville, NC 27560**

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

AT-2637.01

Certificate Number

  
ANAB Approval

Certificate Valid Through: 12/05/2020  
Version No. 001 Issued: 10/10/2019



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).

**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017**

**Doble Engineering Company**

2200 Gateway Center Boulevard, Suite 207  
Morrisville, NC 27560

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**TESTING**

Valid to: **December 5, 2020**

Certificate Number: **AT-2637.01**

**Chemical**

<b>Specific Tests and/or Properties Measured</b>	<b>Specification, Standard, Method, or Test Technique</b>	<b>Items, Materials or Product Tested</b>	<b>Key Equipment or Technology</b>
Dissolved Gas Analysis	ASTM D3612, Method C, IEC 60567	Dielectric Fluid	Gas Chromatography
Moisture	ASTM D1533 IEC 60814	Dielectric Fluid	Karl Fischer Automatic Titration
Dielectric Breakdown	ASTM D1816 IEC 60156	Dielectric Fluid	Oil Breakdown Voltage Tester
Dielectric Breakdown	ASTM D877	Dielectric Fluid	Oil Breakdown Voltage Tester
Power Factor	ASTM D924 IEC 60247	Dielectric Fluid	Oil Tester
Interfacial Tension	ASTM D971	Dielectric Fluid	Automatic / Manual Force Tensiometer
Neutralization Number	ASTM D974	Dielectric Fluid	Titration
Specific Gravity	ASTM D4052	Dielectric Fluid	Automatic Densitometer
Color of Petroleum Products	ASTM D1500	Dielectric Fluid	Visual Color Comparator Instrument

**Mechanical**

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Visual Examination	ASTM D1524	Dielectric Fluid	Visual
Furanic Compounds	ASTM D5837 IEC 61198	Dielectric Fluid	High Performance Liquid Chromatography
Inhibitors Content	ASTM D2668 IEC 60666B	Dielectric Fluid	Infrared Spectroscopy
Corrosive Sulfur	ASTM D1275	Dielectric Fluid	Copper/Silver strip Polishing/Tarnishing
Corrosive Sulfur	Doble CCD	Dielectric Fluid	Copper Rod Polishing/Tarnishing
Corrosive Sulfur	IEC 62535	Dielectric Fluid	Copper Rod Polishing/Tarnishing

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-2637.01.



Vice President

