



# CERTIFICATE OF ACCREDITATION

## The ANSI National Accreditation Board

Hereby attests that

**Doble Engineering Company**  
123 Felton St.  
Marlborough, MA 01757

Fulfills the requirements of

**ISO/IEC 17025:2017**

In the field of

**TESTING**

This certificate is valid only when accompanied by a current scope of accreditation document.  
The current scope of accreditation can be verified at [www.anab.org](http://www.anab.org).

A handwritten signature in black ink, appearing to read 'R. Douglas Leonard Jr.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 05 December 2024  
Certificate Number: AT-2637



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

123 Felton St.  
Marlborough, MA 01757

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### TESTING

Valid to: **December 5, 2024**

Certificate Number: **AT-2637**

#### Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Dissolved Gas Analysis	ASTM D3612, Method C IEC 60567	Dielectric Fluid	Gas Chromatography
Moisture	ASTM D1533 IEC 60814	Dielectric Fluid	Karl Fischer Automatic Titration
Neutralization Number	ASTM D974	Dielectric Fluid	Titration
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/Silver Rod Polishing/Tarnishing
Corrosive Sulfur	IEC 62535	Dielectric Fluid	Copper Rod Polishing/Tarnishing
Corrosive Sulfur	DIN 51353	Dielectric Fluid	Silver Strip Polishing/Tarnishing

**Mechanical**

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
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
Specific Gravity	ASTM D4052	Dielectric Fluid	Automatic Densitometer
Color of petroleum products	ASTM D1500	Dielectric Fluid	Visual Color Comparator Instrument
Visual examination	ASTM D1524	Dielectric Fluid	Visual

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-2637.



R. Douglas Leonard Jr., VP, PILR SBU