



CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board
11617 Coldwater Road, Fort Wayne, Indiana 46845 USA

This is to certify that

Doble Engineering Company
123 Felton St.
Marlborough, MA 01757

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
Certificate Number


ANAB Approval

Certificate Valid Through: 12/05/2020
Version No. 004 Issued: 03/23/2020



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

Melissa Carmine - Zajac 617-393-2937
mzajac@doble.com www.doble.com

TESTING

Valid to: **December 5, 2020**

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.



Vice President