



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Morgan Schaffer Ltd
225 Lafleur, Suite 150
LaSalle, QC H8R 3H2 Canada

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.

A handwritten signature in black ink, appearing to be 'Jason Stine', is positioned above a horizontal line.

Jason Stine, Vice President

Expiry Date: 08 March 2027

Certificate Number: AT-2127



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

Morgan Schaffer Ltd

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LaSalle, QC H8R 3H2
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TESTING

Valid to: **March 8, 2027**

Certificate Number: **AT-2125**

Chemical


Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Corrosive Sulfur	ASTM D1275	Dielectric Fluid	Oven, Cu/Ag strip, Tarnish Chart
Specific Gravity	ASTM D1298	Dielectric Fluid	Hydrometer
Color of petroleum products	ASTM D1500	Dielectric Fluid	ASTM Color Scale
Visual examination	ASTM D1524	Dielectric Fluid	Visual Examination
Moisture by Karl-Fisher titration	ASTM D1533/IEC 60814	Dielectric Fluid	Karl Fisher Titrator
Dielectric Breakdown	ASTM D1816/IEC 60156	Dielectric Fluid	VDE Electrode
Dissolved Gas Analysis	ASTM D3612/IEC 60567	Dielectric Fluid	Gas Chromatograph (GC)
PCB in oil	ASTM D4059	Dielectric Fluid	Gas Chromatograph (GC)
Inhibitors content: 2,6-Ditertiary-Butyl Para-Cresol and 2,6- Ditertiary-Butyl Phenol in Insulating Liquids	ASTM D4768/IEC 60666	Dielectric Fluid	Gas Chromatograph (GC)
Furanic compounds	ASTM D5837/IEC 61198	Dielectric Fluid	High Performance Liquid Chromatograph (HPLC)

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Dielectric Breakdown Voltage	ASTM D877	Dielectric Fluid	Disk Electrodes
Power Factor	ASTM D924/IEC 60247	Dielectric Fluid	Power Factor Device
Interfacial Tension	ASTM D971	Dielectric Fluid	Tensiometer
Total Acid number	ASTM D974/IEC 62021	Dielectric Fluid	Acid-Base Titration
Moisture in oil content	WI 017-00	Dielectric Fluid	Water Sensor

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-2125.



Jason Stine, Vice President

