



CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

Morgan Schaffer Ltd.

**8300 Saint-Patrick Street, Suite 150
LaSalle, QC H8N 2H1**

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-2125

Certificate Number


ANAB Approval

Certificate Valid Through: 03/08/2021
Version No. 005 Issued: 01/18/2019



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

Morgan Schaffer Ltd

8300 Saint-Patrick Street, Suite 150

LaSalle, QC H8N 2H1

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TESTING

Valid to: **March 8, 2021**

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 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	Dielectric Fluid	Gas Chromatograph (GC)
Furanic compounds	ASTM D5837/IEC 61198	Dielectric Fluid	High Performance Liquid Chromatograph (HPLC)
Dielectric Breakdown Voltage	ASTM D877	Dielectric Fluid	Disk Electrodes
Power Factor	ASTM D924/IEC 60247	Dielectric Fluid	Power Factor Device

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Interfacial Tension	ASTM D971	Dielectric Fluid	Tensiometer
Total Acid number	ASTM D974	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.



Vice President

