



# CERTIFICATE OF ACCREDITATION

## ANSI-ASQ National Accreditation Board

500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

**Bureau Veritas**  
**2450 Hassell Road**  
**Hoffman Estates, IL 60195**

has been assessed by ANAB  
and meets the requirements of international standard

**ISO/IEC 17025:2005**

while demonstrating technical competence in the field of

**TESTING**

Refer to the accompanying Scope of Accreditation for information regarding the types of tests to which this accreditation applies.

L2264.03

Certificate Number

  
ANAB Approval

Certificate Valid: 03/19/2018-12/23/2019  
Version No. 001 Issued: 03/19/2018



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. 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 17025:2005**

**Bureau Veritas**  
 2450 Hassell Road  
 Hoffman Estates, IL 60195  
 Michael Mayers  
 847-884-7877

**TESTING**

Valid to: **December 23, 2019**

Certificate Number: **L2264.03**

**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>
Accelerated Stability	OCM – Accelerated Stability	Fuel	
Total Acid Number	ASTM D664 Mod	Oil	Titration
Total Acid Number	ASTM D974 Mod	Oil, Fuel	Titration
API Gravity	ASTM D287	Oil, Fuel	Hydrometer
Appearance	ASTM D4176	Fuel	
Physical Properties of Coolants	OCM – Physical Properties of Coolants	Coolant	Physical
Ash Content	ASTM D482	Fuel	Oven
Microorganisms	OCM - Microorganisms	Any Fluid	Oven
Total Base Number	ASTM D4739 Mod	Oil	Titration
Total Base Number	OCM-TBN	Oil	Titration
Biodiesel Content by FTIR	IL-BioDiesel	Fuel	
Carbon Residue	ASTM D524	Fuel	Oven
Cetane Index, Calculated	ASTM D976 ASTM D4737	Fuel	Calculation
Chlorides	IL-MWF-2011	MWF	
Cloud Point	ASTM D2500	Fuel	Physical

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Cold Flow Plug Point	ASTM D6371	Fuel	
Color, ASTM	ASTM D1500	Any Fluid	Physical
Color, Gardner and Sayboldt	ASTM D1500	Oil	By Conversion
Conductivity	IL-MWF-Conductivity	MWF	
Copper Strip Corrosion	ASTM D130	Oil, Fuel	
Density Specific Gravity	ASTM D1298	Oil, Fuel	Hydrometer
Dielectric Breakdown	ASTM D877	Oil	
Distillation	ASTM D86	Fuel	
Ferrography, Analytical	ASTM D7690	Any Fluid	Microscope
Ferrography DR	OCM – DR3	Oil	
Ferrography DR	OCM – DR7	Oil	
ELC Coolant Inhibitor	OCM – ELC Test Strip	Coolant	Titration
Flash Point Closed Cup	ASTM D93	Oil, Fuel	Flash
Flash, Fire Point Open Cup	ASTM D92	Oil, Fuel	Flash
Freeze Point of Coolant	IL-Coolants-FZPT	Coolant	Physical
FTIR Infrared Analysis	OCM - FTIR	Any Fluid	
Fuel Dilution by GC	IL-FDD by GC	Oil	GC
Glycol	ASTM D2982	Oil	Titration
Glycol	OCM – BP Glycol	Oil	Positive/Negative
Estimate of Net & Gross Heat of Combustion Fuel	ASTM D4868	Fuel	Calculation
Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter	ASTM D4809	Fuel	Thermal Analysis
Karl Fischer Water	ASTM D6304	Oil	Titration
Lubricity by HFRR	ASTM D6079	Fuel	Physical

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Metals by ICP	ASTM D5185 Mod	Any Fluid	ICP
MWF-Brix	IL-MWF-2011	Aqueous fluids & Metal working fluids	Physical
MWF- Iron Chip Corrosion	IL-MWF-CICC	Metal working fluids	Gravimetric
MWF- Dirt by Filtration	IL-MWF -DIRT	Metal working fluids	Gravimetric
MWF- Free Oil	IL-MWF-Free oil	Metal working fluids	Volumetric
MWF- pH & Alkalinity	IL-MWF- pH & ALK	Metal working fluids	Titration
MWF-Tramp Oil	IL-MWF-Tramp oil	Metal working fluids	Volumetric
Nitrites	OCM - Nitrites	Coolant	Titration
Particle Count, Laser	ISO 11500	Oil	Particle count
Particulate Contamination	ASTM D5452 ASTM D6217	Fuel	Physical
Pentane & Toluene Insolubles	ASTM D893	Oil, Fuel	
pH of Coolants	ASTM D1287	Coolant	
Pour Point	ASTM D97	Fuel	Physical
Refrigerants, Testing of Low & High Pressure	II-Refrig	Refrigerant	
Reserve Alkalinity	ASTM D1121	Coolant	Titration
Sulfated Ash	ASTM D874	Oil, Fuel	Titration
Sulfur in Petroleum by XRF Spectrometer	ASTM D4294	Oil, Fuel	Spectroscopy XRF Visible
Sulfur, Total by UV Fluorescence	ASTM D5453	Fuel	Spectroscopy UV Visible
Total Hardness (CaCO <sub>3</sub> )	IL-MWF-2011	MWF	
Varnish by Quantitative Spectrophotometric Analysis (QSA)	IL 2005-QSA	Oil	
Viscosity	ASTM D445	Oil, Fuel	
Viscosity	ASTM D7279 Mod	Oil, Fuel	

**Chemical**

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Viscosity Index	ASTM D2270	Oil	Calculation
Viscosity, SUS Calculated	ASTM D2161	Any Fluid	Calculation
Water and Sediment	ASTM D2709 ASTM D4007 Mod ASTM D1796 Mod	Oil, Fuel	Centrifuge
Water Percent Estimate by Hotplate	OCM – Water by Hotplate	Oil	Physical

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. L2264.03



Vice President