



April-2019

INFORMATION BULLETIN

OUR TESTING CAPABILITIES

Lab staff follows written work instructions for all testing procedures represented in the comprehensive test list below. Work instructions are Controlled Documents, and only the current revisions are available to laboratory staff. Where possible, test methods conform to ASTM standards.

We also participate in inter-laboratory proficiency testing programs (statistical quality assurance programs that enable laboratories to assess their performance in conducting test methods within their own laboratories when their data are compared against other laboratories that participate worldwide in the same program).

Test methods are also developed in-house by our team of experts. These tests are fully developed, documented and validated before being put into use.

Laboratory Testing

- Specific Gravity
- Flash Point by Closed Cup
- Calcium, Wt. %
- Phosphorus, Wt. %
- Boron, Wt. %
- Silicon, ppm
- Magnesium, Wt. %
- Foam Characteristics Seq 1 and Seq 2
- Oxidation Stability
- Reverse Alkalinity
- pH
- Freezing Point
- Foam Break Time
- Water, Wt. %
- Color
- Hand Blends 4 to 6 components 500mls
- BF Appearance
- Zinc, Wt. %
- Hand Blends 4 to 6 components 500mls
- Bacteria Test
- FTIR (Oxidation, Nitration, Sulfation, Fuel Dilution, Soot)
- Particle Count
- Custom Hand Blends

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Analytical Testing

- Inductively Coupled Plasma (ICP)
- Water System for HPLC Grade Water

Physical Testing

- Specific Ion Meter, pH meters, probes
- Karl Fischer Water (Oil, greases and refrigerants)
- Pour Point / Cloud Point
- Brookfield Viscometer
- UV-Vis Spectrophotometers
- Refractometer
- Foam Sequence Test
- Particle Counters - HIAC & PAL
- Glassware and Associated apparatus for: Freeze Point, Foam and Break, Distillations, titrations
- Dielectric Strength
- Acid Number and Strong Acid Number
- Analytical Ferrography (Oil, Grease and Filters)
- Base Number
- Conductivity Meter
- Copper Corrosion
- Demulsibility
- Density / Specific Gravity / API Gravity
- Elemental Spectroscopy by Rotating Disc Electrode Atomic Emission
- Filter Debris Analysis
- Ferrous Wear Concentration by Direct Reading Ferrography
- Glassware and associated apparatus for: freeze point, foam and break, distillations, titrations
- Glycol by Gas Chromatography
- High Boiling Residue of Liquid and Low Boiling Refrigerants
- Ion Chromatography (nitrites, nitrates, chlorides, sulfates and organic acids)
- Membrane Patch Colorimetry
- Reserve Alkalinity
- Rotating Pressure Vessel Oxidation
- RULER
- Rust
- Triazole
- Viscosity @ 100
- Viscosity @ 40
- Viscosity Index
- Water System for HPLC grade water

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