

STANDARD LAB ANALYSES

| ANALYSIS | STANDARD |
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| API Gravity | ASTM D 1298 |
| Ash - Greases | ASTM D 128 |
| Ash - Lubricants | ASTM D 482 |
| Ash - Sulfated | ASTM D 874 |
| Cloud Point | ASTM D 2500 |
| Color | ASTM D 1500 |
| Copper Strip Corrosion | ASTM D 130 |
| Demulsibility | ASTM D 2711 |
| Diesel Fuel - Specific Gravity | ASTM D 1298 |
| - Specific Gravity @ 60 °F | ASTM D 1250 |
| - API Gravity | ASTM D 1298 |
| - COC Flash Point | ASTM D 92 |
| - Viscosity @ 100 °F | ASTM D 2161 |
| - Karl Fischer Water | ASTM D 1720 |
| - Filtered Solids | ASTM D 2273 |
| - Copper Strip Corrosion | ASTM D 130 |
| - Micro Exam for Algae and Debris | SWSC Labs Standard |
| - Cetane Number | ASTM D 613 |
| Emulsion (Water Separability) | ASTM D 1401 |
| Ferrographic Analysis - Analytical | SWSC Labs Procedure |
| - Direct Read | PREDICT Technologies Instruction Manual |
| Filter Analysis - Metals by Emission Spectroscopy | Spectrol, Inc. Technical Manual |
| - Ferrographic Analysis | SWSC Labs Standard |
| - FTIR | SWSC Labs Standard |
| - Karl Fischer Water | ASTM D 1720 |
| - TAN | ASTM D 974 |
| Filtered Solids (Sediment) | ASTM D 2273 |
| Flash Point — COC & Fire Point | ASTM D 92 |
| Foaming Characteristics | ASTM D 892 |
| Freon (Refrigerants) - Total Acid Number (TAN) | ARI S-700 ASTM D 974 |
| - High Boiling Residue | ARI 700 |
| - Karl Fischer Water | ASTM D 1720 |
| Grease - AGMA Hardness | ASTM D 4289 |
| - Metals by Emission Spectroscopy | Spectrol, Inc. Technical Manual |
| - Total Acid Number (TAN) | ASTM D 974, ASTM D 664 |
| - Karl Fischer Water | ASTM D 1720 |

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| Metal Analysis | - Additive Elements by ICP - Used Lube Oils by ICP - Used Lube Oils by Rotrode Emission Spectroscopy | ASTM D 4951 ASTM D 5185 ASTM D 6595 Spectrol, Inc. Technical Manual |
| Neutralization | - Total Acid Number (TAN) - Total Base Number (TBN) | ASTM D 974, ASTM D 664 ASTM D 974, ASTM D 4739 |
| Oil in Water | | ASTM D 4807 |
| Paper Chromatography | | SWSC Labs Standard |
| Particle Count | - Filter - Laser | ISO 4407, NAS 1638 ISO 4406 |
| Pour Point | | ASTM D 97 |
| Specific Gravity | | ASTM D 1298 |
| Total Suspended Solids | | Per Standard Methods |
| Viscosity, Kinematic | | ASTM D 445 |
| Viscosity, Saybolt | | ASTM D 2161 |
| Viscosity Index | | ASTM D 2270 |
| Water Analysis | | Per Standard Methods |
| Water Content | | ASTM D 6304 |
| Water Source Analysis | | SWSC Labs Standard |
| W.I.T.S. | | SWSC Labs Standard |

