

Condition Monitoring Tests

Gold bullets indicate ISO/IEC 17025:2017 Accreditation

Method	Test Description	Sample Size
• ASTM D92	Flash Point, Cleveland Open Cup	250 mL
• ASTM D445	Kinematic Viscosity, Used or In-Service Oil	125 mL
ASTM D482	Total Ash	80 g
• ASTM D664	Acid Number	50 mL
• ASTM D874	Sulfated Ash	50 g
• ASTM D892	Foaming, Sequence I - III (Specify Option A if Required)	1 L
ASTM D974	Acid Number	50 mL
ASTM D1298	Density / API Gravity, Hydrometer	350 mL
ASTM D1500	Color	150 mL
ASTM D1768	Water and Sediment for Opaque or In-Service Oils	100 mL
• ASTM D2272	Rotating Pressure Vessel Oxidation Test (RPVOT) Single Run	150 mL
ASTM D2273	Trace Sediment	200 g
ASTM D2500	Cloud Point	100 mL
ASTM D2709	Water and Sediment	100 mL
• ASTM D2887	Gas Chromatography - Carbon Distribution Extended	10 mL
• ASTM D2896	Base Number	50 mL
ASTM D2982	Glycol-Base Antifreeze in Used Oils	20 mL
• ASTM D2983	Brookfield Viscosity, +20°C to -60°C (Per Temperature)	60 mL
ASTM D3427	Air Release, Gas Bubble Separation	500 mL
• ASTM D3524	Fuel Dilution, Diesel (Requires 250 mL of new oil and fuel)	10 mL
• ASTM D3525	Fuel Dilution, Gasoline	10 mL
ASTM D4291	Glycol	5 mL
• ASTM D4683	High Temperature High Shear / TBS Viscosity, 150°C, Used Oil	150 mL
• ASTM D4739	Base Number	20 mL
• ASTM D5185	Elemental Analysis by Inductively Coupled Plasma (No S)	10 mL
• ASTM D5185	Sulfur by Elemental Analysis by Inductively Coupled Plasma	10 mL
ASTM D6217	Particulate Contamination for Diesel Fuels	1 L
• ASTM D6304	Water by Karl Fischer	100 mL
• ASTM D6417	Simulated Distillation by Gas Chromatography	10 mL
• ASTM D6616	High Temperature High Shear / TBS Viscosity, 100°C, Used Oil	150 mL
ASTM D7213	Boiling Range Distribution of Petroleum Distillates, 100°C to 615°C	10 mL
ASTM D7214	FTIR Analysis, Oxidation by Peak Area Increase	50 mL
ASTM D7317	Pentane Insolubles by Filtration	25 mL
ASTM D7321	Particulate Contamination for Biodiesel Fuels	1 L
• ASTM D7412	FTIR Analysis, In-Service Fluid, Phosphate Anti-Wear	50 mL
• ASTM D7414	FTIR Analysis, In-Service Fluid, Oxidation	50 mL
• ASTM D7415	FTIR Analysis, In-Service Fluid, Sulfate Content	50 mL
ASTM D7619 / ISO 4406	Particle Count and Sizing	500 mL
• ASTM D7624	FTIR Analysis, In-Service Fluid, Nitration	50 mL
• ASTM D7844	FTIR Analysis, In-Service Fluid, Soot	50 mL
ASTM E1858	Oxidation Induction Time by PDSC	25 g
• ASTM E2412	FTIR Analysis, In-Service Fluid	50 mL
CEC L-036-90 Mod.	High Temperature High Shear Viscosity, 150°C, Used Oil	150 mL
CEC L-085-T99	Oxidation Induction Time by PDSC	25 g
ISO 4406	Particle Count	50 mL
• SAVLAB IRG	Fourier Transform Infra-Red, FTIR, Glycol Analysis	50 mL
• SAVLAB IRW	Fourier Transform Infra-Red, FTIR, Water Analysis	50 mL
SAVLAB TBR	High Temperature Low Shear / TBR Viscosity, Used Oil	150 mL

• Gold bullets indicate ISO/IEC 17025:2017 Accreditation

SAVANT@SAVANTGROUP.COM

P: 989-496-2301

A WORLD OF LUBRICATION UNDERSTANDING®

