

Turbine Lubricant Tests

Gold bullets indicate ISO/IEC 17025:2017 Accreditation

Method	Test Description	Sample Size
• ASTM D445	Kinematic Viscosity, Used or In-Service Oil	125 mL
• ASTM D445	Kinematic Viscosity, 0°C and Above	125 mL
• ASTM D664	Acid Number	50 mL
ASTM D893	Insolubles, Pentane	25 mL
ASTM D943	Oxidation Characteristics (2.0 TAN or 1000 Hours)	600 mL
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ASTM D974	Acid Number	50 mL
ASTM D1401	Emulsion Characteristics, Water Separability	100 mL
• ASTM D2272	Rotating Pressure Vessel Oxidation Test (RPVOT) Single Run	150 mL
• ASTM D2272	Rotating Pressure Vessel Oxidation Test (RPVOT) Run to Hard Break	150 mL
ASTM D2622	Sulfur by XRF - Wavelength Dispersive	30 mL
ASTM D2709	Water and Sediment	100 mL
• ASTM D2783	Four Ball Extreme Pressure Up to 400 kg.	200 mL
• ASTM D2783	Four Ball Extreme Pressure Above 400 kg.	200 mL
• ASTM D2983	Brookfield Viscosity, +20°C to -60°C (Per Temperature)	60 mL
• ASTM D5185	Elemental Analysis by Inductively Coupled Plasma (No S)	10 mL
• ASTM D6304	Water by Karl Fischer	100 mL
• ASTM D7412	FTIR Analysis, In-Service Fluid, Phosphate Anti-Wear	50 mL
• ASTM D7414	FTIR Analysis, In-Service Fluid, Oxidation	50 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
CEC L-085-T99	Oxidation Induction Time by PDSC	25 g
ISO 4406	Particle Count	50 mL



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