

**Canoil Reolube Turbofluid (EHC)  
Suggested Phosphate Ester Control Fluid Test Schedule**

Frequency Test	Monthly or Bimonthly <sup>1</sup>	Quarterly	Semi-annually	Annually or Upcoming Outage <sup>2</sup>
Acid Number	✓	✓	✓	✓
Appearance	✓	✓	✓	✓
Color	✓	✓	✓	✓
Particle Count	✓	✓	✓	✓
Resistivity	✓	✓	✓	✓
Water	✓	✓	✓	✓
Chlorine	If Ω low	✓	✓	✓
Mineral Oil	If Appearance, Color or Viscosity odd	✓	✓	✓
Viscosity	If contamination suspected	If contamination suspected	✓	✓
Metals (by ICP)	Do if Acid or Particles high or if deposits	Do if Acid or Particles high or if deposits	✓	✓
Air Release	Do if Metals high or if deposits	Do if Metals high or if deposits	Do if Metals high or if deposits	✓
Foaming	Do if Metals high or if deposits	Do if Metals high or if deposits	Do if Metals high or if deposits	✓
Other <sup>3</sup>	✓	✓	✓	✓

1. Can be done more or less frequently depending on results of the tests, turbine supplier recommendations, experience, and/or site specific requirements. Bimonthly is generally only for fluids in good condition and no adverse trends.

2. Extra testing can be required to get a baseline for proper trouble shooting for when problems develop and to detect longer term fluid degradation and/or contamination. To allow time for any further testing and preparing actions test at least 2-4 months in advance.

3. Many other tests are available that can be done as required. For example; Ruler, MPC Patch Test, Hach Number and FTIR. Also in GEK 46357G for Operating Fluid Specifications GE also list Specific Gravity, Pour Point, Flash Point, Fire Point and Auto-ignition Temperature. Tests on new fluid might also be required. Test costs are likely extra.