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'Providing Tribological Solutions'

Reolube Turbofluid (EHC) - Servovalves Suggested Phosphate Ester Control Fluid Test Schedule				
Frequency Test	Monthly or Bimonthly ¹	Quarterly	Semi-annually	Annually or Upcoming Outage ²
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 ³	✓	✓	✓	✓

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, Hexane Patch Test, and FTIR. Also, in GEK 46357G for Operating Fluid Specifications GE 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.