PHYSICAL CHARACTERISTICS
Color and clarity, heat capacity, sediment, oil and fuel contamination, and odor
Percent glycol: Coolant concentration
PH/reserve alkalinity: Buffering capacity
Conductivity: Contamination of source water or coolant in addition to supplement coolant additive
Technology: UV-Vis, DSC

INORGANICS
Wear metals, additives, and contaminants: Cation analysis, corrosion Al Cu Fe Pb Zn Sn, additive inhibitors Mo Si Na K, additive buffer for pH control B P and hard water ion contaminants Ca Mg
Technology: ICP-OES

ORGANICS
Long-life additive analysis: Carboxylates, azoles
Technology: HPLC

CAVITATION INHIBITORS
Molybdate and nitrite
Other additives, inhibitors, and contaminants: Analyte analysis, phosphate, nitrite, nitrate, chloride, sulphate, bromide, glycolate
Technology: UV-Vis

Solutions for Your Lab Workflow
1. Sample Prep: liquid-handling system
2. Atomic Spectroscopy: ICP-OES (dispersed elements ASTM D6130)
3. Molecular Spectroscopy: UV-Vis, IR
4. Thermal Characterization: DSC (heat capacity ASTM E1269)
5. Chromatography: HPLC