



Basic Program

Basic testing reveals the current wear condition of the unit and provides some fluid property information. This program is for the user that does not go beyond the OEM's (Original Equipment Manufacturer) recommended drain intervals.

Extended Drain Program

This program maximizes fluid life. POLARIS works closely with the user to find the optimum drain interval without jeopardizing equipment life expectancy. Testing includes all appropriate Basic Program testing as well as additional fluid property tests.

Preventive Program

This program goes beyond the limitations of both the Basic & Extended Drain Programs to include more in-depth particulate analysis. Although [ICP Elemental Analysis](#) is only capable of reporting particles smaller than 10 microns, it is an excellent test for monitoring wear trends and certain contaminant levels. However, adding an [ISO Particle Count](#) (for hydraulics, turbines, automatic transmissions and compressors), [Direct Read Ferrography](#) (for gear and bearing systems) or [Particle Quantifier](#), provides the amount of large particulates being generated. Collectively, these tests can detect and help you prevent eminent failure.

Predictive

This program goes above and beyond the quantitative analysis of the Preventive Program with the added benefits of qualitative Wear Debris Analysis. [Analytical Ferrography](#) and/or [MicroPatch Microscopic Analysis](#) can determine the types of wear particles being generated, such as rubbing wear, cutting wear, spalling wear, corrosive wear, abrasive wear or fatigue wear. Distinguishing between non-metallic contaminant particles and ferrous particles and taking into consideration the size and shape of the most significant particles present can determine where a certain type of wear is coming from. These particles are digitally photographed and provided to customers on a separate wear debris analysis report.