

# BEHRINGER®

## Behringer Fluid Analysis Program

### When should I test my fluid?

There are many misconceptions about when the right time to test fluid may be. Many people test their fluid when they suspect that there may be a problem. At this point it is usually too late. Another common mistake is “spot checking” which is usually once a year or at random intervals. The best program to institute is regularly scheduled or “Trendline” analysis. The interval then will be determined by the sensitivity of the equipment and the severity of their function to the system. Also to take into consideration would be the number of hours of operation and environment that the equipment is in.

### Standard Tests Performed:

The standard test which is sufficient in many cases consists of a particle count. The particle count will tell you the number of particles present in a fluid at various micron sizes as well as the resulting ISO cleanliness code. The patch test pictorial analysis is a “snapshot” of the fluid. This helps to determine average particle composition and shape, and is available as an adder to be used in conjunction with any test.

Additional Analysis:			
Hydraulic:	Hydraulic Plus:	Coolant:	Organic Coolant:
<ul style="list-style-type: none"> <li>total acid number</li> <li>viscosity @ 40°C</li> <li>Water / glycol(crackle)</li> <li>metal content (spectro chemical)</li> </ul>	<ul style="list-style-type: none"> <li>total acid number</li> <li>viscosity @ 40°C</li> <li>Water / glycol (crackle)</li> <li>metal content(spectro chemical)</li> <li>ferrography / micropatch</li> </ul>	<ul style="list-style-type: none"> <li>Antifreeze percentage</li> <li>freeze point</li> <li>SCA #</li> <li>nitrate</li> <li>pH</li> <li>total dissolved solids</li> <li>metal content (spectro chemical)</li> </ul>	<ul style="list-style-type: none"> <li>Antifreeze percentage</li> <li>nitrate</li> <li>pH</li> <li>metal content (spectro chemical)</li> <li>Carboxylic Acid</li> </ul>

Fluid Analysis Report																																													
<b>SAMPLE ID #</b> : ABC123 <b>Company Name</b> : <b>Street Address</b> : <b>City and State, Zip Code</b> : <b>ATTN</b> : Contact Name	<b>BEHRINGER</b> Behringer Fluid Analysis Dept. Corporation Behringer Corporation 17 Ridge Road Branchville NJ, 07826 Tel: (973)948-0226 Fax: (973)948-2562																																												
<b>SAMPLE DATA TABLE</b>																																													
<b>COMPANY NAME</b> : BS Corporation <b>FLUID TYPE</b> : 30 Type Fluid <b>SYSTEM TYPE</b> : Hydraulic <b>EQUIPMENT TYPE</b> : 30 Ton Press <b>MACHINE ID</b> : ABC Press # 4 <b>FILTRATION ID</b> : <b>CRITICAL COMPONENTS</b> : Pump and servo valve, ID numbers, and manufacturer, etc...	<b>TEST DATE</b> : 7/7/99 <b>TEST SAMPLE SIZE</b> : 10 ml <b>NUMBER OF MEASUREMENTS</b> : 25 <b>ANALYSIS PERFORMED</b> : Patch Test / Patch Test / ISO 4406 (1999) <b>ISO NORM</b> : <b>TIME OVERVIEW</b> : Yes																																												
<b>PARTICLE ANALYSIS AVERAGE SUMMARY</b>																																													
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