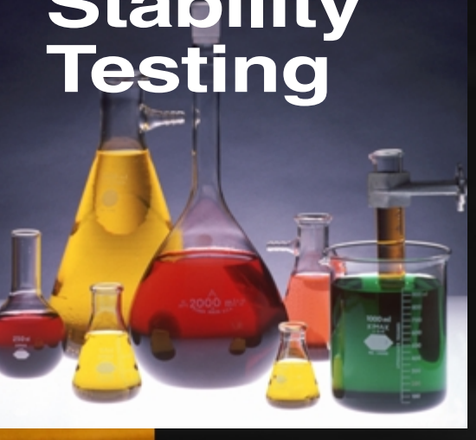
Southwest Research Institute™ specializes in

Shear Stability Testing



European Diesel Injector (Orbahn) Shear Test

This test method evaluates the percent viscosity loss for polymer-containing fluids resulting from polymer degradation in a high-shear nozzle device while thermal and oxidative effects are reduced. During this test, the sample is passed through a diesel injector nozzle at a shear rate that causes polymer molecules to degrade. The percent viscosity loss is a measure of the mechanical shear stability of the fluid.

Typical Test Conditions:

- Temperature: 30 to 35°C
- Speed: 925 +/- 25 rpm
- Duration: 30 minutes
- Number of Passes/Cycles 30

Related Test Methods:

- IP294, DIN 51382, CEC-L-14-A-93, and ASTM D 3945 are other methods that can be run using this instrument.

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