



Fuel Injector Shear Stability Test (FISST)

This test method evaluates the percent viscosity loss of polymer containing fluids resulting from degradation in a high-shear nozzle device with minimum interference from thermal or oxidative effects. During this test, a polymer-containing fluid is passed through a diesel

injector nozzle at a shear rate that causes the less shear stable polymers to degrade. This degradation reduces the kinematic viscosity of the sheared fluid. The resulting viscosity loss is reported as a measure of the shear stability of the fluid.

Typical Test Conditions:

- Temperature:
20 to 25°C
- Number of Passes/Cycles 20

Related Test Methods:

- ASTM D 5275 is the most common method used to determine Fuel Injector Shear Stability (FISST).



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