

NL226 LTFT

Low Temperature Flow Tester

ASTM D4539

The Low Temperature Flow Test results are indicative of the low temperature flow performance of the test fuel in some diesel vehicles. The test method is especially useful for the evaluation of fuels containing flow improver additives in a range of +10°C ... -30°C.

Measuring LTFT Principle

Up to 6 300 ml test vessels are cooled at a specified rate of 1°C/h and, at every °C of cooling, a vacuum of 20 kPa is applied to a filter assembly immersed in the first sample. If the sample recovered in a graduated receiver vessel reaches the 180 ml in 60 sec. the analysis continues to the further 1°C test temperature (passed). When the sample doesn't reach the 180 ml within the 60 sec. the test is failed. The temperature of the last passing result test has to be recorded as minimum LTFT pass temperature.

The instrument is a six places floor model

Equipped with a built in cooling system with motor compressor CFC free for temperatures up to -45°C. Fully automatic, controlled by dedicated panel pc with touch screen and a large display. All the parameters and the current status of the analysis are shown in real time.

Measuring LTFT devices

- Aspiration pipette
- Filter assembly
- Light barrier

Vacuum system

- Micropump 350 kPa
- Electronic control for vacuum regulation 20 kPa
- Vacuum stabilizer



Measuring Parameters

- Temperatures: in °C
- Measuring range: +80°C...-80°C
- Resolution: 0.06 °C
- Accuracy: ± 0.1 °C
- Repeatability / reproducibility as per standards methods or better

Software Features

- User friendly interface
- All analytical parameters recorded
- Customisable analysis parameters and methods
- Customizable results report
- Printable graphs and results

