



ANTI FOAM TEST FOR LUBRICATING OIL

Anti Foam Test for Lubricating Oil TT-892

Anti Foam Test for Lubricating Oil TT-892 aligns with the ASTM D892 Standard Test Method for Foaming Characteristics of Lubricating Oils.

This apparatus is used to evaluate the foaming characteristics of lubricating oils at temperatures of 24°C and 93.5°C. It provides a means for empirically rating both the foaming tendency and the stability of the foam.

APPLICATIONS

The primary application of the Anti Foam Test for Lubricating Oil TT-892 is to evaluate the foaming characteristics of lubricating oils, in compliance with the ASTM D892 standard. The test empirically measures both the foaming tendency (the amount of foam created) and the foam stability (how long the foam persists) at two different temperatures, 24°C and 93.5°C. This is a critical quality control test, as excessive foaming can severely impair a lubricant's ability to protect components, leading to increased wear and potential equipment failure.

Key Industries

- **Lubricant Manufacturing:** This is a fundamental quality control and product development test. Lubricant blenders must ensure their formulations (engine oils, hydraulic fluids, gear oils, etc.) have effective anti-foam properties to meet industry and OEM specifications.
- **Automotive:** This is a crucial test for all automotive fluids, including engine oils, automatic transmission fluids, and hydraulic oils. Foaming in these systems can lead to poor lubrication, overheating, and damage to critical components like bearings, gears, and pumps.
- **Industrial Manufacturing:** This test is essential for a wide range of industrial applications. In large hydraulic systems, gearboxes, compressors, and turbines, foaming can cause cavitation, oxidation, and a loss of lubrication, resulting in

costly downtime and equipment damage.

FEATURES

- The digital display temperature controller offers flexible operation and high precision.
- Heating output utilizes solid-state relay technology, ensuring contactless, sparkless, and noiseless performance. It features a long lifespan, ensuring safety and reliability.
- The heater is constructed with stainless steel material, enabling fast heating rates and a prolonged lifespan.
- The apparatus features two holes, allowing for two groups of parallel sample experiments, thus enhancing work efficiency.
- Equipped with four groups of flow meters, it facilitates convenient observation of experimental gas flow.
- Designed with a rational layout, attractive appearance, and environmentally friendly characteristics.

TECHNICAL SPECIFICATIONS

1.Rated voltage:AC220V $\pm$ 10% 50Hz (110V also available)

2.Power:2500W

3.Temperature controlling mode: Digital Display

4.Temperature controlling point:24°C, 93.5°C

5.Temperature controlling precision: $\pm$ 0.5°C

6.Sensor:Pt100

7.Hole of the bath:2 holes

8. Agitation mode: electrical machine 1250 turns/min

9. Ambient requirements: Temperature 10~40°C; Humidity $\leq$ 85%



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