

GREASE SEPARATION APPARATUS



Grease Separation Apparatus TT-392

Grease Separation Apparatus TT-392 facilitates the determination of a lubricating grease's tendency to separate oil during storage in both fully and partially filled containers.

APPLICATIONS

The Torontech TT-392 is designed to precisely quantify the tendency of lubricating grease to separate oil during storage. By applying a constant, specified pressure, this apparatus simulates shelf-life conditions to predict a grease's stability. Its four-sample capacity and durable, all-stainless steel construction make it a highly efficient and reliable tool for ensuring product integrity from production to end-use.

This analysis is critical for quality assurance and product validation in the following sectors:

- **Lubricant Manufacturing:** Performing essential batch release testing to guarantee product shelf-life stability and prevent customer complaints related to oil bleed in new containers.
- **Warehousing & Distribution:** Verifying the condition of stored inventory to ensure the grease remains homogenous and fit-for-purpose, even after extended periods on the shelf.
- **Automotive & OEM Parts:** Ensuring the long-term stability of "fill-for-life" greases in sealed components like bearings, joints, and gearboxes that are stored before final assembly.
- **Military & Defense:** Qualifying greases for the long-term strategic storage of vehicles and equipment, ensuring lubricants remain stable and ready for immediate deployment without maintenance.

FEATURES

- The apparatus is equipped with four sets of testing devices, allowing for simultaneous experimentation with four groups.
- The total weight of the connecting rod, metallic ball, piston, and heavy hammer is 1000 ± 10 g.
- Both the stand and other components are constructed from stainless steel, ensuring solidity, durability, cleanliness, and simplicity.
- Simple operation accompanied by a decent and aesthetically pleasing appearance.

TECHNICAL SPECIFICATIONS

1. Material: Stainless Steel
2. Number of Experiment Groups: 4
3. Ambient Requirements: Temperature: $10 \sim 40^{\circ}\text{C}$; Humidity: $\leq 85\%$



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