



OIL SEPARATION APPARATUS FOR GREASE

Oil Separation Apparatus for Grease TT-6184

Oil Separation Apparatus for Grease TT-6184 adheres to the ASTM D6184 standard Test Method for Oil Separation from Lubricating Grease (Conical Sieve Method).

Oil Separation Apparatus for Grease TT-6184 facilitates the determination of lubricating grease's tendency to separate oil at elevated temperatures. The test method is typically conducted at 100°C for 30 hours unless specified otherwise by the grease specification.

APPLICATIONS

The Torontech TT-6184 is a specialized apparatus for determining oil separation from lubricating grease under thermal stress, in strict accordance with the ASTM D6184 (Conical Sieve Method). By measuring oil loss at elevated temperatures, typically 100°C for 30 hours, this instrument provides critical data on a grease's structural stability. Its design, featuring a 60-mesh stainless steel sieve and a 200mL glass beaker, ensures precise, repeatable analysis of lubricant performance in high-heat service conditions.

This thermal stability testing is essential for quality control in several key industries:

- **Industrial & Electric Motors:** Qualifying greases for sealed-for-life motor bearings, where oil bleed caused by operational heat is a primary cause of premature wear and failure.
- **Automotive:** Verifying the integrity of greases for wheel bearings, constant-velocity (CV) joints, and brake system components that are consistently subjected to high thermal loads.
- **Steel & Primary Metals:** Validating lubricant performance for bearings in continuous casters, rolling mills, and other machinery where extreme ambient and operational heat can degrade grease structure.
- **Appliance Manufacturing:** Ensuring the long-term reliability of greases used in appliance motors and mechanisms that undergo repeated heating and cooling cycles throughout their operational life.

FEATURES

- The apparatus comprises a beaker, steel mesh, covered beaker, hook, and other components.
- It utilizes a glass beaker without a mouth, with a capacity of 200 ml, facilitating easy observation and featuring high thermal stability.
- Featuring a stainless steel mesh with a 60-mesh size and a metal beam, it allows for easy extraction.
- Equipped with a closely linked roof for the beaker, providing excellent heat preservation. Additionally, a hook is positioned at the center of the bottom cover for hanging the steel mesh, ensuring ease of operation.

TECHNICAL SPECIFICATIONS

1. Stainless Steel Wire Mesh: 60 Mesh
2. Beaker: High-type, No Mouth, 200ml
3. Beaker Cover: Aluminum Alloy
4. Ambient Requirements: Temperature: 10~40°C; Humidity $\leq 85\%$



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