

EMCOR GREASE TESTING MACHINE



EMCOR Grease Testing Machine TT-6138

EMCOR Grease Testing Machine TT-6138 conforms to ASTM D6138, the Standard Test Method for Determination of Corrosion-Preventive Properties of Lubricating Greases Under Dynamic Wet Conditions (Emcor Test).

EMCOR Grease Testing Machine TT-6138 evaluates the corrosion-preventive properties of greases using grease-lubricated ball bearings under dynamic wet conditions.

APPLICATIONS

The Torontech TT-6138 performs the EMCOR test in accordance with ASTM D6138, a critical method for evaluating a grease's ability to prevent corrosion in bearings under dynamic, wet conditions. This test simulates real-world operation where lubricated components are exposed to water ingress, providing essential data on a lubricant's protective performance and its suitability for harsh environments.

This dynamic corrosion-preventive analysis is vital for qualifying lubricants in:

- **Automotive:** Essential for validating wheel bearing and chassis greases, ensuring they provide robust rust protection against road spray, slush, and high humidity to prolong component life.
- **Marine & Offshore:** Crucial for selecting greases for deck machinery, winches, and rudder bearings that must resist the highly corrosive effects of constant saltwater spray and immersion.
- **Pulp & Paper Industry:** Verifying that greases can protect bearings in the "wet end" of paper machines, which are subjected to continuous high humidity, steam, and process water.
- **Heavy Equipment & Agriculture:** Ensuring greases for construction and farm machinery provide durable corrosion protection in all-weather conditions and during high-pressure washdowns.

FEATURES

- Standard test bearing dimensions: 30×72×19mm.
- Observation of the bearing is facilitated via a retroreflector without zoom function, ensuring convenient operation.
- Equipped with a large torque motor, ensuring unobstructed drive.
- Digital display shows working time and stop time.
- After completion of the test, the motor automatically shuts off.
- Capable of performing both fixed and dynamic tests.

TECHNICAL SPECIFICATIONS

1. Applicable standard: ASTM D6138.
2. Rotation is driven by an AC motor.
3. Rotation speed ranges from 80 to 85 revolutions per minute (r/min).
4. Timing is controlled by a digital timer.
5. On/off operation is according to the set parameters.
6. Rated voltage: 220V, 50Hz. (110V also available)
7. Power consumption: 600W.



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