



Compliance Standards

ASTM D1743

Purpose:

This test method covers the determination of the corrosion preventive properties of greases using grease-lubricated tapered roller bearings stored under wet conditions. This test method is based on CRC Technique L 41 that shows correlations between laboratory results and service for grease lubricated aircraft wheel bearings.

Operating Principle:

Distributes a lubricating grease sample in a roller bearing by running the bearing under light thrust load. Corrosion preventive capability is determined on a pass/fail basis by the presence of rust spots (1mm or larger) on the bearing race after a 60 second run-in period, followed by prolonged exposure to water at constant temperature.

Supplied complete with following accessories:

- Bearing Holder Assemblies (3) - Consisting of: 1kg weight, Upper and Lower Plastic collars for cone, Plastic collar for cup, Plastic jar with screw cap, Metal screw,
- Run-In-Stand
- Spindle/Thrust Loading Device
- Mechanical (Bearing) Grease Packer
- Pliers to remove bearing from grease packer
- Syringe - 100 ml volume with 16 gauge needle & 100 mm in length
- Stop watch
- Test Bearings (3) (cone and roller assemblies)

Note:

End user also requires Humidity chamber and Hot air oven to carry out the complete test.
Reagents and solvents shall be arranged by the end user to clean and condition the bearings

Note: Specifications are subject to change.