



## RUST PREVENTION TEST APPARATUS-(ASTM D1743)-FOR LUBRICATING GREASE

### 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

### Technical Specification

- Temperature range : Ambient to 100 °C  $\pm$  0.5 °C
- Stirrer speed : Up to 1000 rpm,  $\pm$  50 revolution/minute

#### Corporate Office:

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#### Calibration Laboratory:

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GST TIN No. : 24AABCE4018L1ZU  
I.T. PAN No. : AABCE 4018L  
IEC No. : 0813026598 Dt. 04/03/2014  
CIN No. : U29199GJ2004PTC045078  
TAN No. : AHME00572F



**eie INSTRUMENTS PVT. LTD.**  
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•Power Supply : 230 Volt + 10 %, 1 phase, 50 Hz

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