Order Code - MT884
Oil Separation From Lubricating Grease During Storage (ASTM D1742)

Complies with following International Standards:
ASTM D1742

Purpose:
This test method covers the determination of the tendency of lubricating grease to separate oil during storage in both normally filled and partially filled containers.

Significance & Use:
When lubricating grease separates oil, the remaining composition increases in consistency. This can affect the ability of the product to function as designed.

Apparatus Details:
The complete assembly consists of Oil separation Test cells as per ASTM D1742, pressure system assembly, Spatula, Beaker, straight edge, Thermometer and optional climatic cabinet to control temperature at 25 °C as per test requirements. The detail of each part is narrated below.

1. Oil Separation Test Cells:
The Oil Separation Test Cells consist of a tightly fitting cup and cover which contains a 75-µm (No. 200) sieve strainer for supporting the grease, a funnel for collecting separated oil, and a 20-mL beaker for retaining the separated oil. A fitting is provided in the cover for inlet air (1.72 kPa (0.25 psi)) and a hole is provided in the side of the cup to prevent back pressure. The 75-µm (No. 200) stainless steel sieve conforms to the requirements of Specification E 11. Cup, funnel and base are constructed from stainless steel material. 04 Nos test cells will be provided.

2. Pressure system assembly:
An air pressure supply system, controlled by reducing valves or regulators, capable of maintaining air pressure at 1.72 ± 0.07 kPa, will be provided. Complete Pressure system assembly consist of Pressure gauges, Pressure reducers, Control valves and Connection tubes. Air compressor shall be procured at extra cost. Refer to the optional accessories.

3. Spatula:
It is used to completely fill the space between the screen and the top of the funnel with grease. A straight edge is supplied to remove excess grease and provide a level surface before proceeding for the test.

4. Glass Beakers:
04 Nos graduated glass beakers of Borosil make having 20 ml capacity will be supplied to collect the separated oil.

5. Thermometer:
Supplied complete with ASTM 57C Thermometer having temperature range from -20 to +50°C

Note: End user will have to arrange following additional accessories, which are not part of standard supply, to carry out the complete test.

- Weighing scale with 0.01 gram accuracy
- Reagents and chemicals
- Pneumatic air supply

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.
IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,
Tel: +91-9829132777; Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tescaglobal.com

04.03.2022