Evaporation Loss

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CE





LT/TB-145000/M6-2



LT/TB-145000/M6-4

ASTM D972
IP 183

Evaporation Loss of Lubricating Greases and Oils.
This test method covers the determination of the loss in mass by evaporation of lubricating greases and oils for applications where evaporation loss is a factor. Evaporation loss data can be obtained at any temperature in the range from 100 to 150°C (210 to 300°F).

1000100
Manual apparatus for Evaporation Loss of Lubricating Greases and Oils

- Stainless steel cylindrical body with neck flange and three screw bolt for tight cover closure.
- Double bottom with 3.17 mm orifice.
- Stainless Steel pre-heating coil with cell connections and air inlet tube.
- Stainless steel cover with neoprene gaskets.
- Central air flow-off connected to a 18/8 stainless steel tube with lower threaded junction for connection with the test cup.

Accessories

- LT/TB-145000/M6-2
- LT/TB-145000/M6-4
  Bench top laboratory dry bath.
  · Bench top instrument completely made in stainless-steel and double chamber insulation.
  · Single aluminium dry bath deeply coated, insulated and equipped with multi electrical heaters grant uniformity and stability.
  · Upper cover equipped with 2 / 4 holes for test cells accommodation, un-used positions can be covered with stand-by covers that prevents heat loss, the cover is made in stainless-steel for easy cleaning.
  · Bath temperature controlled by a digital thermoregulator with PID functions that control the temperature trough an A class PT100 sensor in the range from ambient to +150°C, resolution 0,1°C and stability +/- 0.1°C.
  · Manually settable overtemperature cut-off alarm.
  · Sample temperature controlled by single digital display with 0.1°C resolution through A class PT100 sensors immersed in the dry block.
  · Air supply system include: 2 / 4 × independent flowmeters with needle regulation knob and graduated scale 16-160 Nl/h, air filter system filled with desiccant; instrument need an external air source, connection silicon tubes.
  · Dimensions: width 50.0 × depth 50.5 × height 49.2 cm.
  · Temperature range: ambient to +150°C, with precision 0.1°C.
  · Consumption: 1000 / 2000 Watt.
  · Power supply: 220 Vac 50/60 Hz or 115 Vac 50/60 Hz.
- 5213: Test cup for greases stainless steel 18/8, max sample 200 g.
- 5215: Test cup for lubricating oil stainless steel 18/8, max sample 200 gr.
- T-AS22C: Thermometer ASTM 22C IP 24C, range +95°…+103°C, div. 0,1°C, propylene carbonate filled.
- T-AS67C: Thermometer ASTM 67C, range +95°…+155°C, div. 0,2°C, propylene carbonate filled.
- 7577: Compact diaphragm air pump.
  · Vacuum and compression application.
  · Flow rate max. 7 L/min, pressure max. 2.5 bar rel.
  · Ultimate vacuum max. 130 mbar (abs.).
  · Weight: 1.3 kg.
  · Dimensions: 7.5 × 11.9 × 15.6 cm.
  · Valve material FKM, diaphragm PTFE coated.
  · 6 mm connector and silencer included.
  · Adjustable speed control and maintenance free.
  · Universal power supply included 100-240 Vac 50-60 Hz.

Spare Parts for ASTM D972

- 7085: Gasket for evaporation cell, pack of 10 pcs.