Oil Separation from Lubricating Grease

Manual and Semi-automatic Analysers: Lubricating Greases and Oils

ASTM D1742 - ASTM D6184

FTM 791-321 - IP 121

ASTM D1742 - Oil Separation from Lubricating Grease During Storage
This test method covers the determination of the tendency of a lubricating grease to separate oil during storage in both normally filled and partially filled containers.

ASTM D6184 - Standard Test Method for Oil Separation from Lubricating Grease (Conical Sieve Method)
This test method covers the determination of the tendency of lubricating grease to separate oil at an elevated temperature. This test method shall be conducted at 100°C for 30 h unless other conditions are required by the grease specification.

FTM 791-321 - Determination of the Tendency of Lubricating Grease to Separate Oil at an Elevated Temperature.
IP 121 - Determination of Oil Separation from Lubricating Grease - Pressure Filtration Method.

Art. LT/GS-203118/M
Greases Separation Apparatus
ASTM D1742
- Bed-plate with a two-outlet collector for air distribution fitted with a throttle valve for each outlet
- Stabilizing reducer for low pressures
- Control manometer
- Head of water cylinder for limiting pressure
- 4 oil separation test cell type B
- 4 beakers 20 ml
- Vacuum pump 300 Lt/h, max pressure/vacuum 300 mBar, 230 vac, 50 Hz

Art. LT/GS-203128/M
Oil Separation of Lubricating Grease During Storage with Climatic Chamber
ASTM D1742
- 4 oil separation test cells type B
- Pressure gauges
- Pressure reducer
- Control valves
- Connection tubes
- 4 glass beakers 20 ml
- Support with 4 outlet collector for air distribution, 4 regulating valves, vacuum stabilizer, pressure reducer manifold, air inlet vacuum manometer up to 400 mBar, outlet vacuum manometer up to 40 mBar
- Bench top instrument suitable for the accommodation of up to 4 test cells
- Climatic chamber in painted stainless steel with polycarbonate door
- Digital P.I.D. thermostat to ensure good stability
- Temperature range from +5°C above room temperature to +50°C accuracy to ±1°C to +37°C
- Display precision ±0,1°C
- Forced ventilation
- Heating elements are not in contact with internal chamber but are in an ante-chamber to guarantee uniform heating
- Power supply 230 V, 50 Hz, 1450 Watt
- Vacuum pump 230 Vac, 50 Hz

Art. LT/GS-203200/M
Greases Separation Apparatus - IP 121
- Couple with 240 mesh filter cone located at the bottom
- Metallic weight 100 gr
- Oil container

Art. LT/GS-203300/M
Greases Separation Apparatus
ASTM D6184, FTM 791-321
- Stainless steel cone with 60 mesh filter
- Glass 200 ml with levelled edge
- Cover fitted with gasket
- Crane hook for the cone

Accessories for Art. LT/GS-203118/M and Art. LT/GS-203128/M
- LAB-102-031: complete cell type A
- T-ASS7C: thermometer ASTM 57C

Spare Parts for Art. LT/GS-203118/M and Art. LT/GS-203128/M
- LAB-102-032: complete cell type B
- LAB-102-031/B: beaker 20 ml

Spare Parts for Art. LT/GS-203200/M
- LAB-152-032/A: cone with mesh
- LAB-152-032/B: oil container
- LAB-152-032/C: weight 100 gr

Spare Parts for Art. LT/GS-203300/M
- LAB-102-033/A: cone with filter
- LAB-102-033/B: beaker
- LAB-102-033/C: cover