Rust-preventing Characteristics

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CE

LT/RP-194000-6/M

ASTM D665 - D3603 - D5534
DIN 51585
IP 135
ISO 7120

ASTM D665 - IP 135
Rust-preventing Characteristics of Inhibited Mineral Oil in the Presence of Water
This test method is used to evaluate the ability of inhibited mineral oils, particularly steam-turbine oils, to aid in preventing the rusting of ferrous parts should water become mixed with the oil.
This test method is also used for testing other oils, such as hydraulic oils and circulating oils.
Provision is made in the procedure for testing heavier-than-water fluids.

ASTM D3603 - Rust-preventing Characteristics of Steam Turbine Oil in the Presence of Water (Horizontal Disk Method)
This test method covers the ability of steam-turbine oils to prevent the rusting of horizontal and vertical ferrous surfaces when water becomes mixed with the oil.

ASTM D5534 - Standard Test Method for Vapour-phase Rust-preventing Characteristics of Hydraulic Fluids
This test method covers the ability of hydraulic fluids to prevent the rusting of steel in the vapour phase over the hydraulic fluid and water.

DIN 51585 - ISO 7120
Determination of Rust-preventing Characteristics in the Presence of Water in Petroleum Products, Lubricants Oils, Petroleum Oils and Other Fluids
Defines a method for evaluating these products to indicate the effectiveness in preventing the rusting of ferrous parts should. Water becomes mixed the oil/fluid. The method is for application to inhibited oils including steam turbine oils, circulating oils and hydraulic oils and non-hydrocarbon fluids including fluids denser than water.

Art. LT/RP-194000-4/M
Rust Prevention Test Bath - 4 places
Art. LT/RP-194000-6/M
Rust Prevention Test Bath - 6 places
- Oil bath completely made in stainless steel with a capacity of 30 liters
- Double insulated wall
- 4 or 6 places for the immersion of ASTM containers
- Armoured stainless steel heater
- Temperature is controlled by a digital thermoregulator PID with over-temperature alarm and probe PT100A
- 4 or 6 stainless steel-plate stirrers rotate in their glasses at a constant speed of 1000 rpm adjustable
- Each Stirring position have an independent transmission with solid pulley-bearing-belt system

Power supply
- 220Vac 50/60Hz

Dimensions
- cm 60 × 120 × 80

Weight
- kg 60

Accessories for ASTM D665
- LAB-101-172: beaker 400 ml
- LAB-101-941-AB: beaker cover made in Plexiglas® for method A and B
- LAB-101-941-C: beaker cover made in PCTFE for method C
- LAB-101-942: test specimen made in steel
- LAB-101-943: test specimen holder made in Plexiglas®
- LAB-101-944: test specimen holder made in Teflon
- LAB-101-945: t-shaped stirrer for methods A and B, made in stainless steel
- LAB-101-946: T-shaped stirrer for method C, made in stainless steel
- T-AS9C: thermometer ASTM 9C
- T-IP21C: thermometer IP 21C

Accessories for ASTM D3603 - D5534
- LAB-101-172: beaker 400 ml
- LAB-101-955: beaker cover made in Plexiglas® complete with specimen holder
- LAB-101-951: horizontal test specimen made in steel
- LAB-101-952: vertical test specimen made in steel
- LAB-101-952/C: cap for vertical test specimen
- LAB-101-956: test specimen holder made in Teflon
- LAB-101-954: washer
- LAB-101-957: T-shaped stirrer made in stainless steel
- T-AS9C: thermometer ASTM 9C IP 15C
- T-IP21C: thermometer IP 21C

Optional Accessories
- LAB-101-940: grinding and polishing device complete with chuck
- LAB-101-947: aluminium oxide paper 150 grit, pack of 100
- LAB-101-948: aluminium oxide paper 240 grit, pack of 100

Spare Parts
- LAB-110-012: heater
- LAB-140-002: PT100 probe
- LAB-160-014: digital thermoregulator
- LAB-150-015: static relay