

Rust
Rust-preventing Characteristics

LINETRONIC
TECHNOLOGIES



LT/RP-194000-3/M



LAB-101-940



LT/RP-194000-6/M

ASTM D665 - ASTM D3603 - ASTM 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-194000-3/M
Rust Prevention Test Bath (3 places)
- Oil bath completely made in stainless steel
- Double insulated wall
- 3 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
- 3 stainless steel-plate stirrers rotate in their glasses at a constant speed of 1000 rpm
- Transmission frame and upper weir with bearings block and pulley

Art. LT/RP-194000-4/M
Rust Prevention Test Bath (4 places)

Art. LT/RP-194000-6/M
Rust Prevention Test Bath (6 places)

Power Supply:
220Vac 50/60 Hz

Dimensions:
cm 60 × 120 × 80

Weight:
kg 60

Accessories for ASTM D665
LT/248000/F/50: drying oven
LAB-101-172: beaker 400 ml, 70 × 130 mm
LAB-101-941: beaker cover made in Plexiglas®
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 method A and B, made in stainless steel
LAB-101-946: T-shaped stirrer for method C, made in stainless steel
LAB-101-947: aluminium oxide paper 150 grit, pack of 100
LAB-101-948: aluminium oxide paper 240 grit, pack of 100
LAB-101-950: chuck
LAB-101-940: grinding and polishing device
T-AS9C: thermometer ASTM 9C - IP 15C
T-AS9F: thermometer ASTM 9F 15F
T-IP21C: thermometer IP 21C

Accessories for ASTM D3603 - D5534
LAB-101-172: beaker 400 ml, 70 × 130 mm
LAB-101-958: beaker 25 ml (only for ASTM D5534)
LAB-101-955: beaker cover made in Plexiglas®
LAB-101-951: horizontal test specimen made in steel
LAB-101-952: vertical test specimen made in steel
LAB-101-956: test specimen holder made in Teflon®
LAB-101-947: aluminium oxide paper 150 grit, pack of 100
LAB-101-948: aluminium oxide paper 240 grit, pack of 100
LAB-101-954: washer
LAB-101-940: grinding and polishing device
LAB-101-957: T-shaped stirrer made in stainless steel
T-AS9C: thermometer ASTM 9C - IP 15C
T-AS9F: thermometer ASTM 9F 15F
T-IP21C: thermometer IP 21C

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

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LAB-101-943: test specimen holder made in Plexiglas®
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LAB-101-945: T-shaped stirrer for method A and B, made in stainless steel
LAB-101-946: T-shaped stirrer for method C, made in stainless steel
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LAB-101-948: aluminium oxide paper 240 grit, pack of 100
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LAB-101-172, -941, -944, -945