



OilLab 570 Automatic Oxidation Stability RBOT and TFOUT Liquid Bath



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LINETRONIC
TECHNOLOGIES



ASTM D2112
ASTM D2272
ASTM D4742
IP 229

ASTM D2112

Oxidation Stability of Inhibited Mineral Insulating Oil by Pressure Vessel

This test method is intended as a rapid method for the evaluation of the oxidation stability of new mineral insulating oils containing a synthetic oxidation inhibitor.

ASTM D2272

Oxidation Stability of Steam Turbine Oils by Rotating Pressure Vessel (RBOT)

This test method utilizes an oxygen-pressured vessel to evaluate the oxidation stability of new and in-service Turbine oils having the same composition (base stock and additives) in the presence of water and a copper catalyst coil at 150°C.

ASTM D4742

Oxidation Stability of Gasoline Automotive Engine Oils by Thin-film Oxygen Uptake (TFOUT)

This test method evaluates the oxidation stability of engine oils for gasoline automotive engines. This test, run at 160°C, utilizes a high pressure reactor pressurized with oxygen along with a metal catalyst package, a fuel catalyst, and water in a partial simulation of the conditions to which an oil may be subjected in a gasoline combustion engine.

IP 229 - Relative Oxidation Stability by Rotating Bomb of Mineral Turbine Oil (RBOT)

This method covers a rapid means for estimating the oxidation stability of new turbine oils having the same composition.

OilLab 570-SA

4 places RBOT & TFOUT liquid bath

- His compact dimensions 70 × 85 × 60 cm and relative light weight only 60 Kg (without oil) can assure an easy handling and find space above each table.

Automatic Monitoring system

- Automatic Monitoring system included TFT 12" panel pc and 4 pressure sensor with elevate precision combined with an electronic board dedicated for reach the incredible performance that this instrument can perform.
- With a resolution of 1024 × 768 and 16M colours for granting the maximum visibility of all parameters, equipped with 2 USB port.
- New generation end-user friendly software developed by our software technical engineers with a step-by-step procedure for perform analysis.
- Internal database can be contain over than 60'000 analysis that can be printed out or exported with an Usb key that accompanied the main instrument.
- Able to manage independently the 4 test cylinders, the software can be switch temperature from °C in °F, calibration of the bath up to 100 points for grant the maximum precision.

Other features

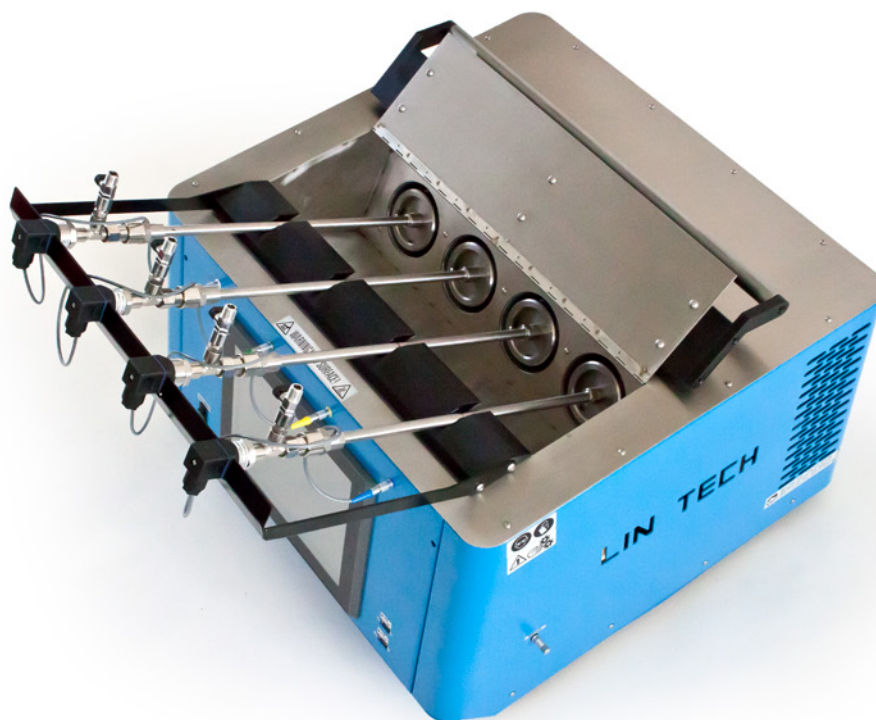
- Display pressure in bar/psi/Kpa
- Real time graph creation
- Export file in xls, jpg and pdf format
- 5 pre-charged methods (12 / 24 / 48 / 96 and 192 hours)

Internal tank and mechanical parts

- The mechanical parts designed and made in Switzerland assure a perfect matching, only the best raw materials are used for assure quality and durability.
- The internal tank with a capacity of approximately 60 Liter of oil mixed with 2 independent heating element assure a perfect stability of temperature during the analysis.
- PT100 class A probe are used for control the temperature and prevent overheating.
- New accessories complete this instrument like the new slide for easily accommodate the vessel into the bath and simplify the matching with the motor coupling.
- New Drip for vessel for not waste oil outside the bath.
- Bath temperature range from ambient to 199°C ±0.1°



OilLab 570 Automatic Oxidation Stability RBOT and TFOUT Dry Bath



OilLab 570-D-SA

4 places RBOT & TFOUT dry bath

- His compact dimensions 70 × 85 × 60 cm and relative light weight only 50 Kg can assure an easy handling and find space above each table.

Automatic Monitoring system

- Automatic Monitoring system included TFT 12" panel pc and 4 pressure sensor with elevate precision combined with an electronic board dedicated for reach the incredible performance that this instrument can perform.
- With a resolution of 1024 × 768 and 16M colours for granting the maximum visibility of all parameters, equipped with 2 USB port.
- New generation end-user friendly software developed by our software technical engineers with a step-by-step procedure for perform analysis.
- Internal database can be contain over than 60'000 analysis that can be printed out or exported with an Usb key that accompanied the main instrument.
- Able to manage independently the 4 test cylinders, the software can be switch temperature from °C in °F, calibration of the bath up to 100 points for grant the maximum precision.

Other features

- Display pressure in bar/psi/Kpa
- Real time graph creation
- Export file in xls, jpg and pdf format
- 5 pre-charged methods (12 / 24 / 48 / 96 and 192 hours)

Internal tank and mechanical parts

- The mechanical parts designed and made in Switzerland assure a perfect matching, only the best raw materials are used for assure quality and durability.
- The internal dry bath block made in aluminium with 6 independent heating element assure a perfect stability of temperature during the analysis.
- PT100 class A probe are used for control the temperature and prevent overheating.
- New accessories complete this instrument like the new slide for easily accommodate the vessel into the bath and simplify the matching with the motor coupling.
- Bath temperature range from ambient to 199°C ±0.1°

Accessories

- LAB-101-971: oxidation pressure vessel RBOT/RPOVT

Accessories D2112

- LAB-101-974/A: glass container 175 ml
- LAB-101-922/CU: copper wire catalyst 3 meters , pack of 5.
- LAB-101-441/P: silicon carbide paper 100 grit, pack of 100
- T-AS96C: thermometer ASTM 96C

Accessories D2272

- LAB-101-974/A: glass container 175 ml
- LAB-101-974/B: cover in Teflon®
- LAB-101-974/D: spring made in stainless steel as per ASTM D2272
- LAB-101-922/CU: copper wire catalyst 3 meters , pack of 5.
- LAB-101-441/P: silicon carbide paper 100 grit, pack of 100
- T-IP37C: thermometer IP 37C

Accessories D4742

- LAB-101-978/A: glass container
- LAB-101-978/B: cover in Teflon®
- LAB-101-978/D: spring made in stainless steel as per ASTM D4742
- LAB-101-978/E: aluminum insert made of 2024
- T-AS102C: thermometer ASTM 102C

Optional Accessories

- LT/WM-227200: electric winding mandrel for copper wire catalyst coiling, mounted on solid base whit possibility to fix to bench, 220 Vac 50/60 Hz