OilLab 570
Automatic Oxidation Stability
RBOT and TFOUT Liquid Bath

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ASTM D2112 - D2272 - D4742 - D7098
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.

ASTM D7098
Standard Test Method for Oxidation Stability of Lubricants by Thin-Film Oxygen Uptake (TFOUT) Catalyst B
This test method covers the oxidation stability of lubricants by thin-film oxygen uptake (TFOUT) Catalyst B. This test method evaluates the oxidation stability of petroleum products, and it was originally developed as a screening test to indicate whether a given re-refined base stock could be formulated for use as automotive engine oil (see Test Method D4742).
The test is run at 160 °C in a pressure vessel under oxygen pressure, and the sample contains a metal catalyst package, a fuel catalyst, and water to partially simulate oil conditions in an operating engine. In addition, the test method has since been found broadly useful as an oxidation test of petroleum products.

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 40 litres of oil mixed with 2 indipendent heathing 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 easly 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

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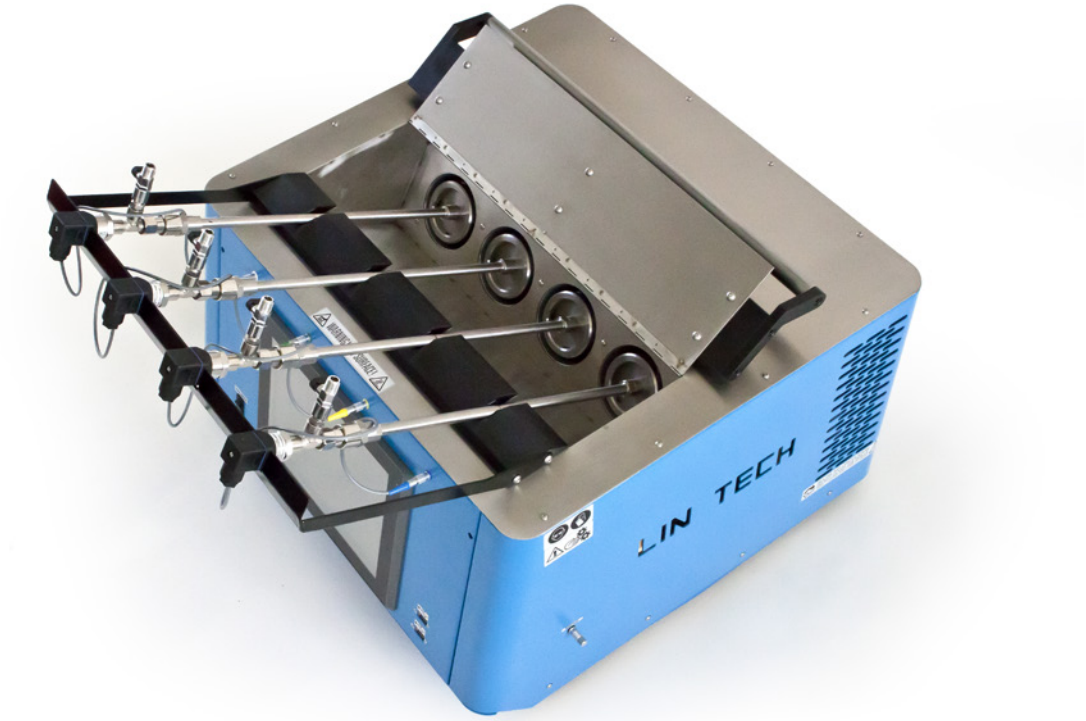

OilLab 570-D-SA
4 places RBOT & TFOUT dry bath

- 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

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 indipendent heathing 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 easly 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 - D7098

- 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