



OilLab 571 RPVOT



ASTM D942 - D2272 - D4742 - D7098 IP 229

ASTM D942 - Standard Test Method for Oxidation Stability of Lubricating Greases by the Oxygen Pressure Vessel Method.

ASTM D2272 - Oxidation Stability of Steam Turbine Oils by Rotating Pressure Vessel (RBOT).

ASTM D4742 - Oxidation Stability of Gasoline Automotive Engine Oils by Thin-film Oxygen Uptake (TFOUT).

ASTM D7098 - Standard Test Method for Oxidation Stability of Lubricants by Thin-Film Oxygen Uptake (TFOUT) Catalyst B.

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

Main Features

His compact dimensions 35 × 38 × 41 cm and relative light weight only 25 Kg can assure an easy handling and find space above each table.

- 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)

Automatic Monitoring System

- Automatic monitoring system included TFT 8" panel PC with an electronic board dedicated for reach the incredible performance for which this instrument is designed.
- With a resolution of 1024 × 768 and 16 M colours for granting the maximum visibility of all parameters, equipped with 2 USB ports and RJ45 for Ethernet connection.

- 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.
- The software can be switch temperature from °C in °F, calibration of the bath up to 100 points for grant the maximum precision.

Internal tank and mechanical parts

- Dry system without using oil for heating
- Internal stainless steel chamber with high-tech insulation
- Magnetic rotation of internal cylinder with no-contact system
- Automatic oxygen charge-discharge line
- PT100 class A probe are used for control the temperature and prevent overheating

Accessories 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

Spare Part

- LAB-101-974/571-A: glass container 175 ml pack of 3 pcs.
- LAB-101-974/571-B: cover in PTFE for glass, pack of 5 pcs.
- LAB-101-974/571-C: beaker centring made in PEEK
- LAB-101-974/571-D: spherical cone, pack of 5 pcs.
- LAB-101-974/D: compensation spring made in stainless steel
- LAB-101-974/571-E: o-ring for cell cover, pack of 5 pcs.
- LAB-101-974/571/H: holder for glass container

Calibration Accessories

- OilLab 80: calibration decade box - PT100 simulator
- OilLab 84: kit of connectors and cables
- OilLab 91: pressure calibration kit
- LAB-101-974/571/F: stainless steel cover with hole for calibration
- LAB-101-974/571/G: temperature sensor for tank calibration

Reference Sample

- LAB-571/004-03: RBOT D2272 reference liquid, approx. 2000 ml, reference value approx. 650 min.
- LAB-571/004-04: RBOT D2272 reference liquid, approx. 2000 ml, reference value approx. 1400 min.

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
- LAB-101-922/CU500: copper wire 500 gr, 1.6 mm diameter / approx. 28 m
- ALINK: software network connection for remote control of OilLab 571; it permit the control and monitoring of up to 10 OilLab 571
- LAB-571/004-07: Linetronic Varclean solution for cleaning the RBOT glass cell and interior chamber with spray ended selector - 500 ml approx.
- LAB-101-922/CU5000: copper wire 5000 gr, 1.6 mm diameter / approx. 280 m
- 942 Kit, analysis kit to perform the ASTM D942 test composed by:
 - Dish holder with 5 glass sample dish
 - Instrument vertical swing-balance system
 - Holder support and centring system
 - Software for ASTM D942 method
- 4742 Kit, analysis kit to perform the ASTM D4742/ D7098 test composed by:
 - Aluminium insert for reduce volume of chamber
 - Glass, Teflon® cover and spring
 - Adapter kit for perform method on OilLab 571
 - Software for ASTM D4742 and D7098 method