



OilLab 571

Oxidation Stability of Steam Turbine Oils



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).

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Automatic Oxidation Stability of Steam Turbine Oils ASTM D2272, Dry Bath.

- Compact structure painted with anti-acid epoxy products.
- Heavy designed stainless-steel dry block positioned at 30° equipped with heating elements grant an optimal heat distribution over the entire cell length.
- Magnetic rotation of the internal analysis beaker at 100 rpm.
- Automatic system for charging and de-pressurizing oxygen.
- Management software running on 8" High-brightness 800cd/m² TFT with resolution 1024 × 768.
 - Pre-setting for method ASTM D2272 or customizable analysis parameters.
 - Bath temperature controlled by PT100 A Class with 0,1°C precision, automatic for method selected or custom temperature.
 - Calibration menu, result browser, dual level password protection.
 - More than >60'000 analysis storage capacity.
 - 2 × USB for connecting: mouse, keyboard and software updates.

- 1 × RJ45 Ethernet / Lims connection.
- Integrated beeper for end-test notification/ errors.
- Dedicated software for real time monitoring and recording.
 - Display of the pressure in bar / psi / Kpa.
 - Graph creation in real time during the test.
 - Invalid test indication in case of pressure leakage.
 - Export of files in xls. / .pdf / jpg. format.
 - Calibration up to 100 points.
- Rear connection permit to joint to external oxygen line.
- 1 × Glass sample container.
- 1 × Copper catalyst.
- 1 × Beaker cover.
- 1 × Spring clip.

Power Supply

- 230 Vac or 115 Vac, 50/60 Hz

Temperature Range

- Ambient to +150°C
- With precision 0.1°C

Consumption

- 1000 Watt

Dimensions

- 35 × 38 × 41 cm

Weight

- 25 kg

Calibration Accessories

- 3013: Calibration decade box
 - PT100 Simulator.
- 3102: Kit of connectors and cables.
- 3764: Pressure Calibration Kit.
 - Hand pump with connection tube for pressure -0,95 ...+ 35,0 bar.
 - Adapters.
 - Digital pressure gauge -1...+30 Bar rel. +/- 0.1%FS.
- 15902: Stainless steel cover with hole. for calibration.
- 3887: Temperature sensor for tank calibration.

Accessories D2272

- 7545: Copper wire catalyst 3 meters, pack of 5 pcs.
- 7146: Silicon carbide paper 100 grit, pack of 100 pcs.

Reference Sample

- 7579: ASTM D2272 reference liquid.
 - Approx. 2000 ml.
 - Reference value approx. 643 min.
- 7589: ASTM D2272 reference liquid.
 - Approx. 2000 ml.
 - Reference value approx. 1550 min.

Spare Parts D2272

- 1258: Glass container, 175 ml, pack of 3 pcs.
- 7375: Cover in PTFE for glass, pack of 5 pcs.
- 15904: Beaker centering made in PEEK.
- 5620: Spherical cone, pack of 5 pcs.
- 7142: Compensation spring made in stainless steel.
- 7307: O-ring for cell cover, pack of 5 pcs.
- 5681: Holder for glass container.

Optional Accessories

- 1000178: Electric winding mandrel for copper wire catalyst coiling.
 - Mounted on solid base with possibility to fix to bench.
 - 220 Vac or 115 Vac 50/60 Hz.
- 7590: Varclean solution.
 - For cleaning the glass cell and interior chamber.
 - With spray ended selector.
 - 500 ml approx.
- 7151: Copper wire 500 gr, 1.6 mm diameter, 28 m.
- 7153: Copper wire 5000 gr, 1.6 mm diameter, 280 m.
- 942 Kit: Analysis kit to perform the ASTM D942 test.
 - Dish holder with 5 glass sample dish.
 - Instrument vertical swing-balance system.
 - Holder support and centering system.
 - Software for ASTM D942 method.
- 4742 Kit: Analysis kit to perform the ASTM D4742/D7098 test.
 - Aluminum 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.