OilLab 525
Oxidation Stability of Gasoline and Aviation Fuels

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LT/OPV-200000/AUT

OilLab 525

ASTM D525
ASTM D873
IP 40
EN ISO 7536

ASTM D525 - IP 40 - EN ISO 7536
Oxidation Stability of Gasoline
(Induction Period Method)
This test method covers the determination of the stability of gasoline in finished form only, under accelerated oxidation conditions.

ASTM D873
Standard Test Method for Oxidation Stability of Aviation Fuels (Potential Residue Method).
This test method covers the determination of the tendency of aviation reciprocating, turbine, and jet engine fuels to form gum and deposits under accelerated aging conditions.

OilLab 525/L

- Liquid bath made in stainless steel with capacity approx. 45 litres, suitable for the accommodation of up to four (4) oxidation cylinders according to ASTM specifications
- Bath temperature range from ambient to 200°C ±0.1°
- 2 × electric heather controlled by PID system
- Secure handle cover for open bath
- Bath equipped with a touch screen panel PC
  · TFT/LCD 12”
  · 40 Gb HD
  · Resolution 1024 × 768 and 16M colours
  · 2 × USB ports for connecting pen drive and printer
- The dedicated software manages: the bath temperatures by means of a PT100 sensor class A that can be displayed in °C / °F, including the overtemperature safety alarm
- Cables and connectors
- Oxygen sampling system with manometer and needle valve
- Lid with 4 holes for vessel accommodation and 1 hole for thermometer
- Dedicated software for real time monitoring and recording that includes:
  · Display of the pressure in bar (0 - 15) / psi (0 - 200) / Kpa (0 - 150)
  · Graph creation in real time during the test
  · Invalid test indication
  · Export of files in xls/pdf/jpg format
  · Calibration up to 100 points
- Power supply: 220 Vac 50/60 Hz

OilLab 525/D

- Dry bath made in stainless steel suitable for the accommodation of up to four (4) oxidation cylinders according to ASTM specifications
- Bath temperature range from ambient to 150°C ±0.1°
- 2 × electric heather controlled by PID system
- Secure handle cover for open bath
- Bath equipped with a touch screen panel PC
  · TFT/LCD 12”
  · 40 Gb HD
  · Resolution 1024 × 768 and 16M colours
  · 2 × USB ports for connecting pen drive and printer
- The dedicated software manages: the bath temperatures by means of a PT100 sensor class A that can be displayed in °C / °F, including the overtemperature safety alarm
- Cables and connectors
- Oxygen sampling system with manometer and needle valve
- Lid with 4 holes for vessel accommodation and 1 hole for thermometer
- Dedicated software for real time monitoring and recording that includes:
  · Display of the pressure in bar (0 - 15) / psi (0 - 200) / Kpa (0 - 150)
  · Graph creation in real time during the test
  · Invalid test indication
  · Export of files in xls/pdf/jpg format
  · Calibration up to 100 points
- Power supply: 220 Vac 50/60 Hz

Dimensions

- width 66 cm
- depth 60 cm
- height 45 cm

Weight

- 45 kg

Accessories

- LT/OPV-200000/AUT
  Oxidation Pressure Vessel ASTM D525/D873 made in stainless steel with threaded body:
  · Stem with filler rod and mounting flange
  · Needle valve for purging, pressurizing and exhausting pressure vessel with oxygen
  · Glass sample container with cover
  · Burst disc assembly
  · Pressure sensor
  · Interior of the pressure vessel can be easily cleaned to prevent corrosion
  · Threaded lid and vessel allow a tight closure
  · Pressure test certificate included

Spare Parts

- LAB-102-002: glass sample container with cover pack of 2
- LAB-102-003: gasket for vessel pack of 10 pcs.

Calibration Tools

- OilLab 80: calibration decade box PT100 simulator
- OilLab 84: kit of connectors and cables for hot range