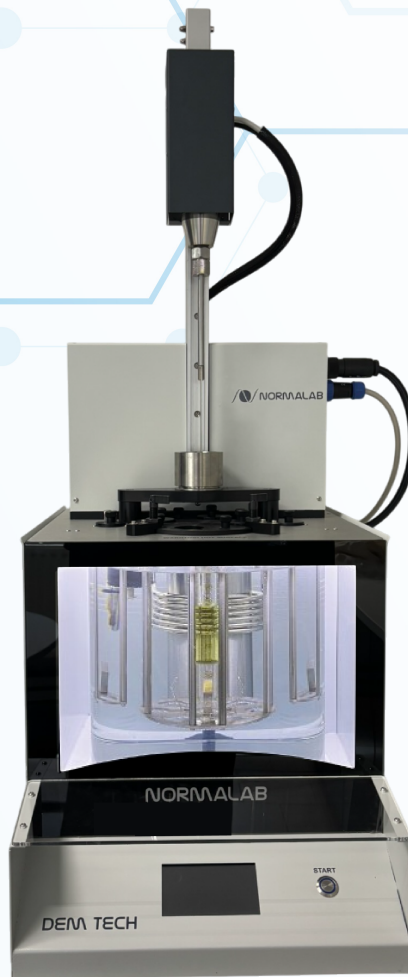


DEM TECH

DEMULSIBILITY TESTER SEMI AUTOMATIC



*Photos are non-contractual - they may differ from actual products

STANDARDS

ASTM D 1401, ISO 6614, IP 412 and related methods.

SCOPE

This test method covers measurement of the ability of petroleum oils or synthetic fluids to separate from water. Although developed specifically for steam-turbine oils having viscosities of 28.8mm²/s to 90mm²/s at 40°C, this test method may be used to test oils of other types having various viscosities and synthetic fluids at other test temperatures.

« The DEM Tech, half automated demulsibility tester »

MAIN FEATURES

- **Compact unit**
- Half automated
- **Quick temperature rise**
- Auto centering
- Temperature measurement by platinum probe (Pt 100, class B)
- 4 measurement positions (+ 2 preheating positions)
- **Automatic paddle positioning:** according to standard (6mm between the bottom of the cylinder and the paddle)
- Adjustable stirring speed up between 600 and 2 000 rpm (default value: 1 500 rpm \pm 5)
- Carousel with **double indexation** for a precise positioning
- Removable paddle
- **Removable upper part** to clean the bath
- Manual or automatic water refill
- Start/stop button
- Reflection-free, low-energy LED lighting



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CONNECTIVITY

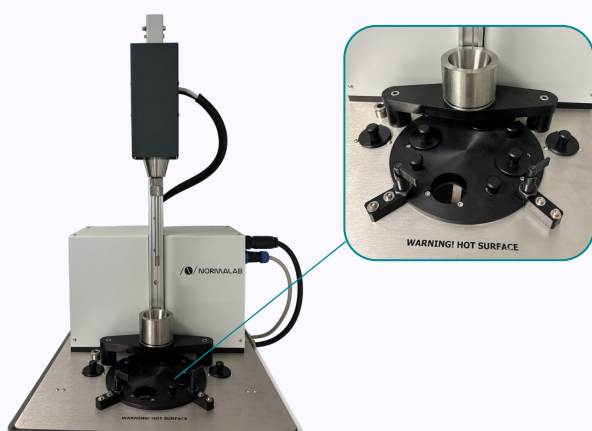
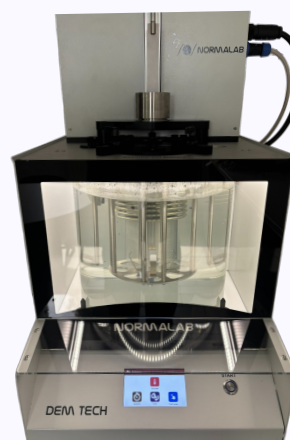
- European plug included (other plugs available on request)

FOCUS

- **2 preset programs:** 54°C and 82°C, high stability temperature
- **Automatic system** for up/down movement of the paddle

SOFTWARE & DISPLAY

- 4,3 resistive color touchscreen
- LED lighting for better reading conditions
- Operable with gloves
- Multilingual (FR/EN)
- Software update by USB port
- Technical access protected by password
- 4 positions overview
- Integrated timer: audible and visual alarm
- Calibration menu: temperature, chronometer, speed, and display
- User friendly



SAFETY

- No access to rotating parts during the test
- Advanced component protection with fuses (CMS)
- Double sided (no burning risks)
- Over temperature protection by safety thermostat
- Water level detection and heating shutt-off in case of low level
- Anti-drip protection via plexiglass deflector
- Sensor for up/down movement
- Overcurrent protection

APPLICATIONS

- Lubricants
- Hydraulic fluids
- Petroleum and petrochemical industries
- Maritime transport and aviation

ACCESSORIES & OPTIONS

- Cleaning and storing support for test tubes (6 positions)
- Tachometer for speed verification
- Electronic thermometer with optional ISO 17025 certificate
- Anti algae treatment

SCOPE OF DELIVERY

42500 **The DEM TECH** is delivered ready to use with

- 1 stirring paddle with its certificate
 - 4 tests cylinders compliant with ASTM D 1401
 - 6 stoppers
 - 1 pc 6mm spacer
 - 1 rubber spatula
 - 1 quick start guide
- 1 conformity leaflet
 - 1 USB stick including user manual
 - 1 thermometer with certificate
 - 1 stylus
 - 1 alimentation cable

Site requirements

- Power supply: 230V - 50/60Hz (±10%)
- Dimensions (mm): 469 (W) x 367 (D) x 969 (H)
- Weight: 19 kg (tare weight) / 47.2kg (with water)
- Bath capacity: 20 liters (demineralized water)

SUMMARY

Predefined programs	54°C and 82°C
Stability	0,1°C
Temperature	°C or °F
Temperature measurement	Probe PT 100 (class B)

Environmental conditions	Between 0°C and 27°C
Hydrometry	80% non-condensing

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