

DEMULSIBILITY

ASTM D2711 DEMULSIBILITY CHARACTERISTICS OF LUBRICATING OILS

This test method covers the measurement of the ability of oil and water to separate from each other. It is intended for use in testing medium and high-viscosity lubricating oils

3 positions bath, Ø270x450 mm tank, leakage protection vessel made of tempered glass, cover with three 55 mm holes for separatory funnels. Temperature is controlled by a digital thermoregulator PID with overtemperature alarm and probe PT100A, cooling coil for external joint, stirrer motor, safety internal level for low liquid with warning lamp, stainless steel bar supporting the agitator turbine, programmable digital timer for duration of the test, plate base painted with anti-acid epoxidy products, 300 to 5,000 rpm turbine agitator electronically regulated and digitally read.

Technical specifications:

- Temperature: from ambient to 90°C (194°F)
- Stability: $\pm 0.1^\circ$
- Capacity 23 liters about
- Power supply: 230V $\pm 10\%$ 50/60Hz
- Power: 2200W

1870 DEMULSIBILITY APPARATUS

ACCESSORIES ON REQUEST

- | | |
|---------|--|
| 10-1871 | SEPARATORY FUNNEL |
| | Borosilicate glass Ø54 mm, 500 ml., div.5. |
| T-AS21C | THERMOMETER ASTM 21C |
| 1220 | CENTRIFUGE |
| 10-1222 | BUCKET FOR CONE-SHAPED TUBE, pack of 4 pcs |
| | For 10-1225 and 10-1226, made of aluminum, included Polyurethane support for tube |
| 10-1225 | CENTRIFUGE TUBE CONE-SHAPED, pack of 4 pcs |
| | 100 ml, 203 mm, div. from 0 to 0.5:0.05, from 0.5 to 2:0.1, from 2 to 3:0.2, from 3 to 5:0.5, from 5 to 10:1, from 10 to 25:5, from 25 to 100:25 |

CONSUMABLES x 2 YEARS

- | | |
|---------|----------------------|
| 10-1871 | SEPARATORY FUNNEL x2 |
|---------|----------------------|

SPARE PARTS

- | | |
|-------------|---------------------------|
| 15-1872 | STIRRER |
| 15-1873 | SERIES OF STIRRER BEARING |
| 14-0002 | PROBE PT100A |
| 11-0016 | HEATER |
| 16-0005 | DIGITAL THERMOREGULATOR |
| 16-0080 | TIMER |
| 15-0003/120 | LEVEL SWITCH PPS |
| 15-0015 | STATIC RELAY |
| 15-0004 | BIPOLAR GREEN SWITCH |
| 15-0005 | BIPOLAR YELLOW SWITCH |
| 12-0001 | MOTOR STIRRER |



IP 19 DETERMINATION OF DEMULSIBILITY CHARACTERISTICS OF LUBRICATING OIL

This method gives a measure of the ability of the oil to separate from an emulsion. It is commonly applied to turbine oils, but it may be used for other lubricating oils. The test is commonly applied to used turbine oils but since it is sensitive to aging and contamination of the oil, precision will be lower than that stated.

1840 DEMULSIBILITY APPARATUS

Consisting of: a steam generator including: 1 electric-heater units with electronic-power regulators, 1 support boards with ceramic plate with an hole Ø 51 mm, 1 steam generator flask capacity: 1 litre, 1 stopper for flask, 1 ventilation tube, 2 steam pipings, 1 hose connection of 2 m, 3 clamps for hose, 1 support rod, 1 boss head, 1 clamp.

An Emulsifying Bath including: 1 tripod stand: Ø 100 mm, 1 support boards made of ceramic glass, 1 glass jar as bath of 3000 ml, 1 cover for bath with stopper, 1 oil test tube made of glass, 1 stopper for oil test tube, 1 steam inlet tube.

A Separating Bath including: 1 electric-heater units with electronic-power regulators, 1 support boards made of cast iron, 1 glass jar of 3000 ml as bath, 1 cover for bath with stopper, 1 steam inlet tube