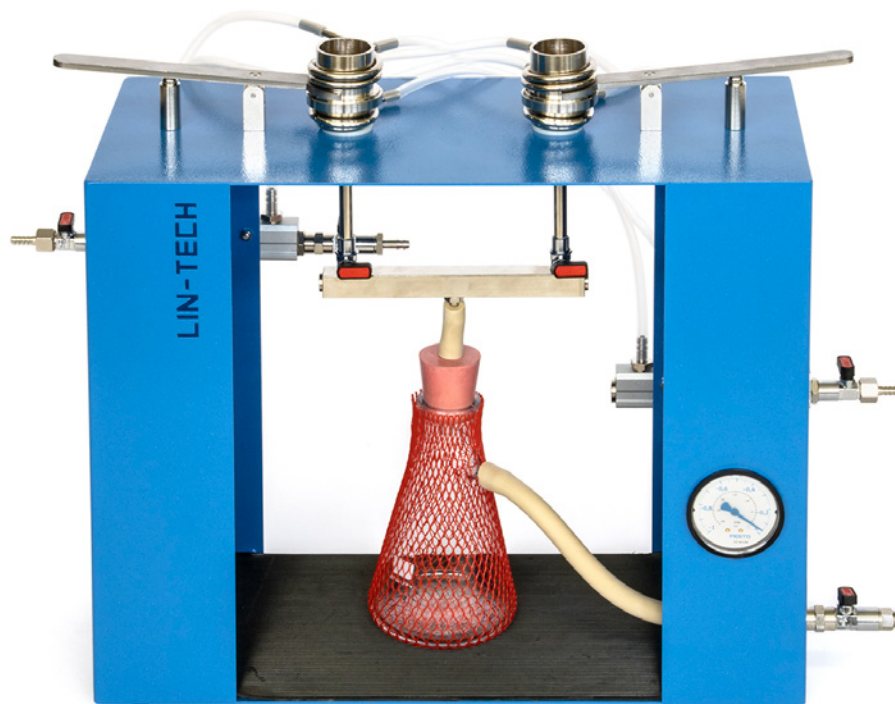




Total Sediment Tester



ASTM D4870
IP 375 - IP 390 (proc.A)
ISO 10307

Determination of Total Sediment in Residual Fuels

This test method covers the determination of total sediment up to 0.40 % m/m for distillate fuel oils containing residual components and to 0.50 % m/m in residual fuel oils having a maximum viscosity of 55 cSt (mm²/s) at 100°C.

LT/TST-115200/M

Total Sediment Tester - ASTM D4870

- Benchtop thermostatic steel cabinet painted with anti-epoxy products.
- Double filtration cells equipped with heating/cooling coils.
- Hold-down spring actioned mechanism for apply correct pressure to brass cup and filters.
- Rear piping for heating steam/oil and cooling water with ball tap.
- Vacuum manifold with independent application valve.
- Vacuum flask 500 ml with protection mesh for residual recover.
- Vacuum manometer 0...-1 bar.

Weight

- 15 Kg

Dimensions

- Width 61 cm
- Depth 25 cm
- Height 50 cm

Spare Parts

- 1542: Flask, 500 ml, pack of 2 pcs.
- 7229: Sintered disk, pack of 2 pcs.
- 11119: Bored flask stopper, pack of 2 pcs.
- 1542/T: Tube for venting, pack of 2 pcs.
- 7453/1: Connection tube, pack of 1 meter.

Steam Generator

- 1000464: Professional laboratory steam generator.
 - Steam pressure indicator.
 - Water level indicator.
 - Solenoid steam flow valve with adjuster knob.
 - Automatic safety water tap.
 - Boiler: inox 3,4 lt.
 - Autonomy: 3.0 hours.
 - Steam Pressure: 2,8 - 3 bar.
 - Heating Power: 1,45 Kw.
 - Power Supply: 230 V - 50/60 Hz, 115 V - 60 Hz.

Accessories Vacuum Source

- 7577: Compact diaphragm air pump.
 - Vacuum and compression application.
 - Flow rate max. 7 l/min, pressure max. 2.5 bar rel.
 - Ultimate Vacuum max. 130 mbar (abs.).
 - Weight 1.3 kg.
 - Dimensions 7,5 × 11,9 × 15,6 cm.
 - Valve Material FKM, diaphragm PTFE coated.
 - 6 mm connector and silencer included.
 - Adjustable speed control and maintenance free.
 - Universal power supply 100-240 Vac 50-60 Hz.
- 3794: Diaphragm Vacuum Pump, for U.S. Air Force T.O. 42B-1-1 Jet Fuels Filter Test Time.
 - 100% oil-free transfer and maintenance-free.
 - Pure transfer, evacuation and compression.
 - Highly compatible with vapours and condensation.
 - Chemically-resistant, therefore suitable for highly aggressive or corrosive gases and vapours.
 - Environmentally friendly.
 - Delivery (l/min): 30.
 - Ultimate vacuum (mbar abs.): 100.
 - Operating pressure (bar g): 0.5.
 - Connectors for tube (mm): ID 10.
 - Power supply: 230 V - 50 Hz, 115 V - 60 Hz.
 - Weight: kg 3.95.
 - Dimensions: 36,1 × 14,1 × 10,2 cm.

Thermometers

- T-AS25C: Thermometer ASTM 25C.
- T-AS1C: Thermometer ASTM 1C.
- T-AS11C: Thermometer ASTM 11C, to be used in combination with 5862.
- T-AS22C: Thermometer ASTM 22 C, IP 24 C.

Digital Thermometer

- 3096: Digital thermometer reader with LCD display for PT100, PT1000, resolution 0.01°C, accuracy 0.01°C, read up to +650°C.
- 3779: PT100 sensor for immersion, temperature range -196...+500°C, 3 mm diameter, 300 mm length.



Total Sediment Tester



1000464



3794



3408



1000015

General Accessories

- 1057: Dessicator made in glass, 200 mm diameter with tap plate made in porcelain.
- 5838: Stirring rods 150 x 4 mm approx., pack of 10 pcs.
- 2455: Glass beaker 50 ml capacity with spout, pack of 5 pcs.
- 3146: Magnetic stirrer hotplate.
 - Uniform heat distribution with coated aluminium alloy heating plate.
 - Excellent resistance to chemicals.
 - Maximum temperature 370°C.
 - Accepts up to 15 liter flasks.
 - Dimensions: 155 mm diameter.
 - Electronic speed regulation up to 1500 rpm.
 - Excellent speed control, even at low speeds.
 - SpeedServo™ ensures constant speed even when the viscosity changes.
 - High power PCM-type driving magnet.
 - 220 Vac 50 / 60 Hz, with power cable.
- 3653: Portable warm air blower, 220 Vac, 300 Watt power for heat up to +300°C.
- 3408: Motor stirrer with RPM regulator, 220 Vac, complete with base and shaft.
- 1000015: Analytical balance.
 - Capacity: 220 g.
 - Linearity: ±0.2 mg.
 - Response time: 4/6 sec.
 - Calibration: internal.
 - Readability: 0.1 mg.
 - Repeatability: ±0.05 mg.
 - Pan diameter: 80 mm.
 - LCD display with small decimal digits.
 - Membrane keyboard, water proof and solvent resistant, easy to use with TARE, ON/OFF, PRINT and MENU.
 - Indication of the reached stable weight.
 - Bar-graph indicator of dosage and remaining capacity of the balance.
 - Full scale automatic calibration with internal and/or external mass.
- Parameters configurable by menu: reading in g (grams), lb (pound), oz (ounce), ct (carats), pcs (pieces), % (percentage).
- Weighing underneath the balance.
- Selectable response time: "fast/slow".
- Data output: RS232 I/O adjustable.
- Operating temperature: 18° ÷ 35°C.
- Power supply: 100 ÷ 240 Vac.
- Power consumption: 200 mA.
- Dimensions: 21,6 x 38 x 36 cm.
- Weighing chamber dimensions: 18 x 17 x 24 cm.
- Net weight: 7 kg.
- Power supply: 230/115 Vac, 50 Hz.
- LT/DO-248000/N-20: Mini-oven.
 - 20 liters capacity.
 - Natural convection.
 - For temperature from: +5°C ambient up to +200°C.
 - Power supply 220 Vac 50/60 Hz.
- 2557: PetriSlide, for holds filter securely in place.
 - 20 mm diameter x 20 mm.
 - Pack of 18 pcs.
 - Made in glass.
 - Transparent cover allows microscopic examination.
 - Not treated surface.
- 2454: Weighing bottle.
 - Borosilicate 3.3 glass, low form.
 - White labelling area.
 - 80 ml capacity.
 - 80 x 30 mm.
- 7339: Filter GFA, 47 mm diameter, porosity 1,6 µm, pack of 100 pcs.
- 5455: Tweezers made in SS, length 120 mm.
- 2371: Luer-Lock syringe 50 ml with needle.
- 2182: Conical flask, pack of 10 pcs.
- 2183: Air condenser made in glass with rubber stopper, pack of 10 pcs.
- LAB-115200-055: Silicon stoppers for conical flask, unbored, pack of 10 pcs.
- 2372: Micro burette made in glass with Schell Bach background, 5 ml capacity and 0.02 ml division.
- LT/TB-144000/M: Bench top laboratory liquid bath.
 - Bench top instrument completely made in stainless-steel and double chamber insulation.
 - Internal stainless-steel bath with capacity of 45 Liters, equipped with double-insulation and fully immersion stainless-steel heater.
 - Temperature controlled by a digital thermoregulator with PID functions that control the temperature trough an A class PT100 sensor in the range from ambient to +150°C, resolution 0,1°C and stability +/- 0.1°C (with cover).
 - Motorized stirrer grant uniformity and stability.
 - Manually settable overtemperature cut-off alarm.
 - Stainless-steel cover with thermoplastic insulated handle.
 - Footprint: width 50 cm, depth 50,5 cm, height 49,2 cm.
 - Internal dimensions: width 40 cm, depth 33 cm, height 30 cm.
 - Power supply: 220 Vac 50/60 Hz or 115 Vac 50/60 Hz.
 - Max. consumption: 1600 Watt.
- 7058: Silicone oil, kinematic viscosity 50mm²/s at 25°C, for working up to +150°C, can of 20 Lt.
- 5944: Stainless steel cover for LT/TB-144000/M that permit to housing 6 x small 50 ml conical flask, equipped with 1 x thermometer port and 6 x small covers with central hole.
- 2522: Hexadecane distribution funnel made in glass with orifice tip, pack of 5 pcs.
- 5148: Magnetic stirring bar 25 mm length covered in PTFE, pack of 5 pcs.
- 5849: Spatula with polypropylene bevelled ends for scrap the conical flask, pack of 3 pcs.
- 5862: Metal block of brass 40 x 40 mm for heating plate temperature measurement.
- 3012: Digital stopwatch.

**Total Sediment Tester**

LT/DO-248000/N-20



LT/TB-144000/M

Application Table

Part Number	ASTM D4870	ISO 10307-1	ISO 10307-2	IP 375	IP 390
1000464	•	•		•	
7577	•	•		•	
3794	•	•		•	
T-AS25C	•	•		•	
T-AS1C	•		•	•	•
T-AS11C	•		•	•	•
T-AS22C	•		•	•	•
3096	As alternative		As alternative	As alternative	As alternative
3779	As alternative		As alternative	As alternative	As alternative
1057	•	•		•	
3146	•		•	•	•
3653	•		•	•	•
3408	•	•	•	•	•
1000015	•	•	•	•	
LT/DO-248000/N-20	•	•		•	
5838	•	•	•	•	•
2455	•	•		•	
2557	•		•	•	
2454		•			
7339	•	•		•	
5455	•	•		•	
2371	•	•		•	
LT/TB-144000/M + 5944 + 7058	•		•	•	•
2182	•	•	•	•	•
2183	•	•	•	•	•
LAB-115200-055	•		•	•	•
2372	•		•	•	•
2522	•		•	•	•
5148	•		•	•	
5849	•		•	•	•
5862	•		•	•	•
3012	•	•	•	•	•