



Corrosion of Cast Aluminum



ASTM D4340

Standard Test Method for Corrosion of Cast Aluminum Alloys in Engine Coolants Under Heat-Rejecting Conditions.

This test method covers a laboratory screening procedure for evaluating the effectiveness of engine coolants in combating corrosion of aluminum casting alloys under heat-transfer conditions that may be present in aluminum cylinder head engines.

Art. LT/CA-222000/M

Corrosion of Cast Aluminum Alloys in Engine Coolants Apparatus

- Stainless steel cabinet equipped with liquid collector and drain trap
- Protection window with open/ closed feature that include: Pyrex glass cell complete with O-ring, heat transfer plate made in aluminium positioned on heating plate
- Top plate with for pressure inlet at 138 Kpa, safety valve and pressure gauge
- Digital thermo-regulator with 0,1°C resolution
- Digital timer with the presetted work cycle of 168 Hrs
- PT100 sensor A Class for temperature reading
- Safety thermostat to prevent overheating
- Cooling Fan
- Working temperature: up to 160°C

Power supply

- 230 Vac 50 Hz

Max. power consumption

- 1000 W

Dimensions

- width 32 cm
- depth 42 cm
- height 88 cm

Weight

- 25 kg

Accessories

- LAB-222-001: cast aluminium heat transfer

Spare Parts

- LAB-222-001: cast aluminium heat transfer
- LAB-222-002: PT100 probe for cast aluminium heat transfer, 3 × 180 mm
- LAB-222-003: sealing o-rings, pack of 2 pcs.
- LAB-222-004: sample test cell 500 ml, level mark
- LAB-222-005: heater collar 420 W, 60 × 50 mm, pack of 2 pcs.
- LAB-222-006: safety thermostat 300°C
- LAB-222-007: digital thermoregulator and programmer K38P
- LAB-222-008: pressure gauge 63 mm diameter, 6 bar M1/4 G
- LAB-222-009: pressure relief valve adjustable, 0/10Bar M1/4 G
- LAB-222-010: pressure drain valve, 0/10Bar 1/4 G MF
- LAB-222-011: static relay, 10/40 A
- LAB-222-012: drain tap, 1/4 G MF
- LAB-222-013: quick coupling female 1/4 G for pressure inlet