Corrosion of Cast Aluminum

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CE

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

Manual instrument composed by:

- Metallic case structure painted with anti-acid products and stainless steel test cabinet equipped with liquid connector and drain tap
- Heating plate digitally thermo-regulated with 0,1°C resolution with PT100 A class for temperature reading
- Safety thermostat for overheating protection and cooling fan
- Main switch and heating activation switch
- Aluminium test specimen plate with holes for temperature sensors
- Corrosion cell made in glass with heat resistant O-rings
- Top plate made in stainless steel with filling hole and pressure inlet equipped with pressure gauge and safety valve
- Plexiglas protection window with magnetic open/close feature

Power supply

- 220 or 115 Vac 50/60 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