Standards for Engine Lube Oil Filter Tests

- Compatibility with fluids: ISO 2943
- Differential pressure versus flow rate
  - Filter: ISO 4548-1, SAE HS J806 § 1
  - By-pass valve: ISO 4548/2
- Resistance to static pressure:
  - ISO 4548-6
  - SAE HS J806 § 9
- Filtration efficiency and retention capacity (automatic counting):
  - ISO 4548-12
  - SAE J1858
  - SAE AIR 1666
- Filtration efficiency and retention capacity:
  - ISO 4548-4
  - SAE HS J 806 § 3
  - SAE HS J 806 § 2
  - JIS D 1611
- Anti-drain valve test:
  - ISO 4548-8
  - SAE HS J806 § 6
- By-pass component characteristics:
  - ISO 4548-2
  - SAE HS J806 § 10
- Bubble point and fabrication integrity:
  - ISO 2942
  - ARP 901
- Absolute filtration rating: MIL F 8815 D
- Resistance to high temperatures: ISO 4548-3
- Resistance to flow or pressure variation fatigue:
  - ISO 4548-5
  - SAE HS 806 § 9
- End load test: ISO 2943
- Resistance to burst or collapse:
  - ISO 2941
  - SAE HS J806 § 5