Bosch Rexroth Fluid Test Rigs
RFT-APU-CL
Rexroth Fluid Test for Axial Piston Units in Closed Loop Applications

RFT-OA
Rexroth Fluid Test Oil Aging

FEATURES
✓ Easy to integrate
✓ Plug & play
✓ Maintenance-friendly
✓ Compact design
✓ Comfortable operation
✓ Fully automated
RFT-APU-CL

REXROTH FLUID TEST FOR AXIAL PISTON UNITS IN CLOSED LOOP APPLICATIONS

TESTING TECHNOLOGY FROM CHEMNITZ
RFT-APU-CL

REXROTH FLUID TEST FOR AXIAL PISTON UNITS
IN CLOSED LOOP APPLICATIONS

TECHNICAL DATA
✓ Power at 2500 min⁻¹: 95 kW
✓ Maximum speed: 5000 min⁻¹
✓ Maximum pressure: 500 bar
✓ Oil tank: 110 l
✓ Tank temperature: ~80°C

ELECTRIC, DIMENSIONS AND WEIGHT
✓ Width x depth x height: 340 x 260 x 290 cm
✓ Weight: approximately 5800 kg
✓ Operating voltage: 400 V
✓ Frequency: 50 Hz
✓ Installed power: 160 kW
✓ Cooling water supply: 100 l/min
✓ A-weighted continuous sound pressure level: < 80 dB(A)
RFT-APU-CL

REXROTH FLUID TEST FOR AXIAL PISTON UNITS IN CLOSED LOOP APPLICATIONS

SCHEMATIC HYDRAULIC CIRCUIT DIAGRAM

TEST UNIT R902157034

A4VG045EP
Swash plate pump

A6VM060/71
Bent axis motor
RFT-OA

REXROTH FLUID TEST – OIL AGING (RFT-OA)

New

TESTING TECHNOLOGY FROM CHEMNITZ
TECHNICAL DATA

- Electrical power: 40 kW
- E-Motor power: 31 kW
- Maximum speed: 3000 min\(^{-1}\)
- Maximum pressure: 350 bar
- Oil volume: 13 l
- Tank temperature: 80 / 90 / 100 °C
- Ambient temperature: 10 to 30 °C

ELECTRIC, DIMENSIONS AND WEIGHT

- Width x depth x height: 175 x 124 x 226 cm
- Weight: approximately 2000 kg
- Electrical voltage: 400 V
- Frequency: 50 Hz
- Cooling water supply: approximately 11 l/min
- Cooling water temperature: \( \leq 40 °C \)
- A-weight continuous sound pressure level: \(~75 \text{ dB(A)}\)
Covers JCMAS P045 standard as well as Bosch Rexroth requirements.

**JCMAS P045**
Test method for indicating oxidation stability in high pressure piston pump (A2FO).

**BOSCH REXROTH FEATURES**
- p max. = 350 bar
- n = up to 3000 min⁻¹
- Water and air supply
- Special copper catalyst
- Varnish detection
- Polymer shearing
- Yellow metal compatibility
- Seal compatibility
- Oil properties
CONTACT

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Hydraulic fluids on basis of mineral oils and related hydrocarbons e.g. HL, HLP, HVLP
Rexroth data sheet 90220

Environment-friendly hydraulic fluids
e.g. HETG, HEPG, HEES, HEPR
Rexroth data sheet 90221

Fire-resistant hydraulic fluids – water-free
e.g. HFDR, HFDU
Rexroth data sheet 90222

Fire-resistant hydraulic fluids – water-containing
e.g. HFA, HFB, HFC
Rexroth data sheet 90223

You find the Rexroth data sheets on our website.
Bosch Rexroth offers a training as well as an e-training for hydraulic fluids.

**Hydraulic fluids training (HT-Fluide)**

**E-training (eT-HT-Fluide)**

You find the complete information on our website.

www.boschrexroth.com/hydraulic-fluids