



Peregrine

Additives & Lubes

PAL POWERMATIC

Last Revision: 25/07/19

Multi-functional Lubricants For Heavy-Duty Automatic And Power-shift Transmissions

Description

PAL Powermatic fluids are specially designed to meet the needs of heavy-duty automatic and power-shift transmissions requiring a Caterpillar TO-4 or Allison C-4 fluid. They are compatible with fluoroelastomer discs. Their stable friction characteristics minimize brake noise, clutch slippage under heavy loads, and embrittlement of elastomeric materials. Formulated to provide maximum anti-wear protection and prevent glazing on friction surfaces. Powermatic fluids also demonstrate outstanding oxidative and thermal stability. Powermatic fluids are available in four grades to provide optimum protections in different kind of weather and operating conditions.

Performance Standard

- Caterpillar TO-4
- Allison C-4 (Powermatic- 10 and 30)
- Vickers 35VQ25 hydraulic pump test

Features

- Outstanding friction retention to minimize clutch slippage, providing complete power transfer for maximum equipment productivity
- Excellent wear protection and material compatibility
- Compatible with engine oils, preventing potential damages if accidentally mixed with engine oil in crankcase or transmission
- Reduce brake noise and chatter
- Unique heavy-duty transmission formulation controls sludge and varnish deposits to maintain a clean and efficient transmission
- Good foam control characteristics

Applications

- Meets the stringent performance requirements of power-shift transmissions, final drives and wet-disc brakes typically found in Caterpillar and Allison equipment
- Outstanding fluid flow properties and elastic compatibility make Powermatic fluids ideal hydraulic lubricants when transmission fluid or engine oil products are recommended
- Some flooded rotary screw and vane compressors

**6318 Union Ave.
Shreveport LA, 71106
318-222-8787**



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Typical Properties

Grade	10	30	50	60
Density @15°C, kg/L	0.872	0.880	0.890	0.898
Viscosity@ 40°C, cSt	42.6	99.1	232.2	325.9
Viscosity@100°C, cSt	6.5	11.2	19.7	24.5
Viscosity Index	102	98	98	98
Flash Point, °C, COC	220	240	244	250
Pour Point, °C	-33	-18	-15	-12

Typical values do not constitute as specifications. Due to continual product research and development, the information contained herein is subjected to change without notification

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