



# TRIAX POWERFLUID 450 PSF

Full-Synthetic Power Steering & Hydraulic Fluid — European, Asian & US Vehicles

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## DESCRIPTION

TRIAX Powerfluid 450 PSF is a top-tier, full-synthetic ester-based fluid designed for modern-vehicle power steering, hydraulic suspensions, and self-leveling suspension systems, plus many other automotive hydraulic applications. Built on advanced base oils and additive chemistry, it delivers outstanding hydraulic response, excellent low-temperature performance, wide-ranging seal protection, and lifetime-fill oxidation stability. Powerfluid 450 is designed to be compatible with 99% of vehicles and contains state-of-the-art corrosion inhibitors, defoamers, and advanced detergent and viscosity-stability additives formulated to meet or exceed OEM performance requirements. It performs across extreme conditions — from -45 °C to over 130 °C system temperature.

## PERFORMANCE HIGHLIGHTS

- **Smooth, precise, fast steering response** — eliminates lazy, “squishy,” and hard steering
- **Maintains seal integrity** — protects seals to help prevent leaks
- **Exceptional hydraulic response** — reliable function across all servo and hydraulic systems
- **Universal compatibility** — works with virtually all power steering systems, designed for 99% of vehicles
- **Extreme-weather performance** — full performance from -45 °C to over 130 °C (150 °F ambient down to -60 °F arctic cold)
- **Lifetime-fill oxidation stability** — advanced full-synthetic ester chemistry for long service life
- **Surpasses OEM requirements** — state-of-the-art corrosion inhibitors, defoamers, detergent, and viscosity-stability additives

## APPLICATIONS

TRIAX Powerfluid 450 PSF replaces Pentosin CHF 11S, CHF 202, and CHF 7.1 and many other OEM fluids, providing power steering and hydraulic performance for European, Asian, and US vehicles.

- Power steering for European, Asian & US vehicles
- Self-leveling suspension — Audi, Mercedes-Benz, BMW, Porsche, Land Rover & others
- Convertible-top hydraulic systems
- Traction control and suspension systems

**ELECTRIC POWER STEERING — suitable for EPS units specifying Nissan E-PSF or Toyota PSF-EH.**

## SPECIFICATIONS

For use in applications requiring the following specifications or OEM fluids:

- Audi P/N G002000 (Pentosin CHF 7.1)
- Audi P/N G002012 (Pentosin CHF 11S)
- BMW / Mini 82 11 1 468 041 / 82 11 0 148 132
- BMW / Mini 83 29 0 429 576
- Chrysler MS-10838, P/N 05142893AA (Mopar)
- Chrysler MS-1872, MS-5931, P/N 04883077
- Chrysler MS-9602 / ATF+4 (Mopar) — where ATF spec required
- Chrysler MS-11655 & MS-90030 (Mopar)
- Ford M2C195-A & M2C204-A
- GM 12345866, P/N 89021184
- GM 9985010, P/N 1052884, GM 9985835
- Hyundai / Kia PSF-3 & PSF-4
- Mercedes-Benz 236.3, P/N 0009898803
- Mercedes-Benz 345.0, P/N 0019892403
- Mitsubishi Diamond SP III & PSF Fluid
- Nissan PSF-II
- Pentosin CHF 11S, CHF 202 & CHF 7.1
- Saab P/N (45) 30 09 800, 30 32 380 (Pentosin 11S)
- Subaru P/N K0209A0080
- Toyota PSF Type EH, P/N 008886-01
- Volvo P/N 1161529 (Pentosin 11S)
- VW P/N G002000 (Pentosin CHF 7.1)

## TYPICAL PROPERTIES

| Property                          | TRIAX Powerfluid 450 PSF | Test Method |
|-----------------------------------|--------------------------|-------------|
| Specific Gravity @ 60 °F          | 0.828                    | ASTM D4052  |
| Kinematic Viscosity @ 40 °C, cSt  | 19.25                    | ASTM D445   |
| Kinematic Viscosity @ 100 °C, cSt | 6.2                      | ASTM D445   |
| Viscosity Index                   | 313                      | ASTM D2270  |
| Pour Point, °C (°F)               | -50 (-58)                | ASTM D97    |
| Flash Point, °C (°F)              | 160 (320)                | ASTM D92    |
| Color                             | OEM Green                | Visual      |

Small deviations from these results are expected during the manufacturing process and do not affect product performance, and product formulations are subject to change without notice.