



Synthetic Universal Power Steering Fluid

Formulated for Durable,
Reliable Performance

AMSOIL Synthetic Universal Power Steering Fluid (PSF) provides improved efficiency. It reduces friction for cooler, quieter, longer-lasting power steering systems.

AMSOIL, the leader in automotive synthetic lubrication, produced the world's first API-qualified synthetic motor oil in 1972. Trust the extensive experience of AMSOIL *The First in Synthetics*® to do the best job protecting your vehicle.

POWER STEERING SYSTEMS

Most power steering systems use a belt-driven pump to provide hydraulic pressure to the system. The pump, usually a rotary vane pump, is driven by the vehicle's engine. As the speed of the engine increases, the pressure in the hydraulic fluid also increases, necessitating the incorporation of a relief valve to allow excess pressure to be bled away.

While the power steering is not being used (driving in a straight line), twin hydraulic lines provide equal pressure to both sides of the steering wheel gear. When torque is applied to the steering wheel, the hydraulic lines provide unequal pressures, providing assistance in turning the wheels in the intended direction. Other modern hydraulic power steering systems include an electronic pressure valve which can reduce the hydraulic pressure of the power steering lines as the vehicle's speed increases. This is known as variable assist power steering.

WHY CHANGE POWER STEERING FLUID?

Power steering fluid is one of the most neglected fluids under the hood because most people don't think about it unless there is a problem. Consumers realize that power steering systems require additional fluid occasionally, but do not realize that power steering fluid

should be changed at regular intervals. Many original equipment manufacturers (OEMs) recommend changing power steering fluid due to the accumulation of wear material and other debris within the power steering system. For example, Dodge recommends changing the power steering fluid in its 2005-2008 Magnum and Charger models every 60,000 miles. In addition, power steering fluid has a service life, just like any other lubricating fluid. It is subject to temperature extremes and must combat contaminants while simultaneously fulfilling its role as a hydraulic fluid.

AMSOIL POWER STEERING FLUID

AMSOIL Synthetic Universal Power Steering Fluid provides excellent wear protection. Its synthetic formulation delivers better lubricity and reduced friction, resulting in cooler operating temperatures, longer component life and quieter operation. AMSOIL Power Steering Fluid is formulated with a high viscosity index. Its low pour point ensures immediate lubrication at startup and in cold temperatures, yet it resists thermal breakdown and maintains maximum protection in high temperatures.



TYPICAL TECHNICAL PROPERTIES

AMSOIL Synthetic Universal Power Steering Fluid (PSF)

Kinematic Viscosity @ 100°C, cSt (ASTM D-445)	7.34	Fire Point °C (°F) (ASTM D-92)	246 (475)
Kinematic Viscosity @ 40°C, cSt (ASTM D-445)	32.23	Pour Point, °C (°F) (ASTM D-97)	-51 (-60)
Viscosity Index (ASTM D-2270)	204	NOACK Volatility, % Weight Loss (g/100g) (ASTM D-5800)	10.08
Brookfield Viscosity @ -40°C, cP (ASTM D-2983)	8560	Four-Ball Wear Test @ 40kg, 75°C, 1200 rpm, 1 hr, Scar, mm (ASTM D-4172B)	0.708
Color	Amber	Foam Stability (ASTM D-892) (20/50/20 maximum)	0/0/0
Clarity	Clear		
Flash Point, 150°C Min., °C (°F) (ASTM D-92)	222 (432)		

APPLICATIONS

AMSOIL Synthetic Universal Power Steering Fluid meets or exceeds motor vehicle specifications for use in GM, Chrysler, Honda, Ford, Volkswagen, Mercedes, Saab, Subaru and Audi applications.

- Ford 9M2C138-CJ, M2C33-F & ESW-M2C128-C&D
- Volkswagen TL-VW-570-26 & TL-52146
- GM 9985010 Saginaw Power Steering Systems
- DaimlerChrysler MS1872 & MS5931F
- America Motor Corporation C4124
- Navistar TMS 6810
- Acura/Honda
- Mercedes Benz
- Saab
- Subaru
- Audi

FLUID EXTRACTION PUMP

AMSOIL offers a fluid extraction pump (G2576) to aid in the removal of used fluids when servicing vehicles. This high-quality pump can be used to remove old power steering fluid when converting a vehicle to AMSOIL Power Steering Fluid. It can also be used to remove other fluids such as engine oil, drivetrain lubricants and engine coolant.

HEALTH & SAFETY

This product is not expected to cause health concerns when used for the intended application and according to the recommendations in the Material Safety Data Sheet (MSDS). An MSDS is available online at www.amsoil.com or upon request at 715-392-7101.

AMSOIL products and Dealership information are available from your local AMSOIL Dealer.

