

Pennzoi[®] Power Steering Fluid

TECHNICAL DATA SHEET



PENNZOIL[®] POWER STEERING FLUID is a premium formulation using high quality lubricating base stocks and select additives. It provides optimum protection in power steering systems of both foreign and domestic automobiles. It controls seal swelling and protects pump parts against wear while providing the proper friction coefficient for proper system operation. The use of fluids not specifically intended for power steering systems may deteriorate the rubber parts in these systems. PENNZOIL[®] POWER STEERING FLUID is specifically designed to meet the service requirements of all manufacturers. Not all automobile manufacturers recommend power steering fluid, some require transmission or engine oil. It is available in 12 fl. Oz/355 ml. plastic containers.

PERFORMANCE, FEATURES & BENEFITS

- Protects power steering system against wear
- Provides controlled seal swelling properties
- Protects rubber hoses
- Resists foaming, oxidation, corrosion and rusting
- Meets US car manufacturers' service requirements
- Stops power steering squeaks
- Mixes with all power steering fluids

MAIN APPLICATIONS

PENNZOIL[®] POWER STEERING FLUID is ideal for use in the hydraulic power steering systems of American and imported vehicles. It exceeds the severe GM Saginaw power steering fluid specification. US Manufacturers now specify specific fluids for use in power steering systems. GM, Ford, Chrysler and AMC each have their own specification.

TYPICAL PHYSICAL CHARACTERISTICS

PENNZOIL[®] POWER STEERING FLUID is recommended for vehicles produced by these manufacturers. Add fluid to power steering reservoir. Do not fill above the specified level. Check fluid levels frequently. Check owner's manual for correct fluid type recommended. Not all automobile manufacturers recommend power steering fluid, some require transmission or engine oil.

SPECIFICATIONS, APPROVALS & RECOMMENDATIONS

Exceeds performance requirements of:

- GM Saginaw power steering fluid
- Ford M2C128D

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Help Desk.

To find the right Pennzoil[®] product for your vehicles and equipment, please consult www.pennzoil.com to look up the right motor oil recommendation using our oil selector.

Properties	Method	Pennzoil [®] Power Steering Fluid
Specific Gravity	ASTM D287	0.874

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Properties			Method	Pennzoil® Power Steering Fluid
API Gravity			ASTM D287	30.3
Flash Point		°F(°C)	ASTM D92	365 (185)
Pour Point		°F(°C)	ASTM D97	-40 (-40)
Kinematic Viscosity		@40°C cSt	ASTM D445	37.3
Kinematic Viscosity		@100°C cSt	ASTM D445	7.1
Kinematic Viscosity		@-40°C cP	ASTM D2983	33 000
Viscosity Index			ASTM D2270	155
Colour				Blue
Foam after 1 min			ASTM D982	0,0,0
Material Number		12 x 350 ml		2747

These characteristics are typical of current production. While future production will conform to Pennzoil's® specification, variations in these characteristics may occur.

HEALTH, SAFETY & ENVIRONMENT

Health and Safety

Pennzoil® Power Steering Fluid is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet (MSDS), which can be obtained from www.epc.shell.com

Protect the Environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

ADDITIONAL INFORMATION

Advice

Advice on applications not covered here may be obtained from your Shell Lubricants distributor representative or Shell Technical Help Desk.

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Pennzoil® Power Steering Fluid Application Table

AMC/Renault	83-87	Alliance, Encore, GTA
American Motors	79-88	All
Chevrolet Truck, GMC Truck, Isuzu Truck	79-00	All Trucks and Vans
Chrysler, Dodge, Plymouth	79-00	All except Avenger and Sebring
Dodge Truck, Plymouth Truck	79-00	All Trucks and Vans
Eagle	88-92	Medallion and Premier
General Motors	82-00	All Cars ex. 92-96 Corvette, ex. 93-98 Camaro, Catera, Firebird
GEO	85-89	Spectrum, Storm
Hyundai	00	All
Isuzu	96-00	Oasis, Hombre
Jeep	84-00	All
Lincoln	79	Continental, Mark V
Mercedes	79-99	All
Peugeot	79-85	504, 504 Diesel, 505 Diesel, 505 t/Diesel, 604, 604 t/Diesel
Pontiac	79-87	Acadian, (T) 1000
SAAB	79-93	All, ex. 99
Saturn	91-00	All
Toyota	84-95	MR2
Volkswagen	4/89-98	European Built Dealer Only; Golf, GTI, Scirocco, Pickup, Jetta, Rabbit, Cabriolet, Cabrio
	79-98	U.S. Built Models; Golf, GTI, Scirocco, Pickup, Jetta, Rabbit, Cabriolet, Cabrio