



SUPER HEAVY-DUTY DOT 4 AND DOT 3 MOTOR VEHICLE BRAKE FLUID

DOT 4 And DOT 3 Motor Vehicle Brake Fluid

PRODUCT DESCRIPTION

PENNZOIL[®] SUPER HEAVY DUTY DOT 4 AND DOT 3 BRAKE FLUID is engineered for all disc- and drum-type brake systems, which call for DOT 4 or DOT 3 performance. It is formulated as a high-quality glycol and glycol ether fluid. Pennzoil's extreme temperature formulation greatly reduces the tendency to vaporize at elevated temperatures, which are common in modern braking systems. This increased boiling resistance provides an extra margin of safety over conventional DOT 3 and DOT 4 brake fluids.

PENNZOIL[®] SUPER HEAVY DUTY DOT 4 AND DOT 3 BRAKE FLUID is a highly stable product and maintains its superior protective qualities over long service and extreme conditions. This fluid functions consistently, whether the vehicle is operating in bitter, arctic cold or extreme desert heat. In addition, this product exhibits excellent lubricity and corrosion control and is safe to all materials used in vehicle braking systems.

PENNZOIL[®] SUPER HEAVY DUTY DOT 4 AND DOT 3 BRAKE FLUID is available in twelve ounce containers.

APPLICATION

PENNZOIL[®] SUPER HEAVY DUTY DOT 4 AND DOT 3 BRAKE FLUID is recommended for all vehicles specifying a DOT 4 and DOT 3 fluid. It is especially suitable for modern vehicles and the thermal demands they put on brake fluids - increasing operating temperatures due to front wheel drive and aerodynamic body designs which reduce airflow. This premium quality product exceeds the requirements of Chrysler and General Motors. PENNZOIL[®] SUPER HEAVY DUTY DOT 4 AND DOT 3 BRAKE FLUID can be safely mixed with all conventional brake fluids.

PENNZOIL[®] SUPER HEAVY DUTY DOT 4 AND DOT 3 BRAKE FLUID meets the Federal Motor Vehicle Safety Standard (FMVSS) No. 116, SAE J-1703 and Federal Specification VV-B-680C. This product also meets all Girling specifications. Check your owner's manual for specific application information.

BENEFITS

- DOT 4 and DOT 3
- Safe to mix with all conventional brake fluids
- FMVSS 116
- SAE J-1703
- Federal Specification VV-B-680C
- All season protection
- High boiling point exceeds requirements of modern vehicles
- High and low viscosity control
- Compatible with rubber components
- Prevents seal hardening or softening
- Protects against metal corrosion
- Excellent lubricity

**TYPICAL PHYSICAL AND CHEMICAL PROPERTIES
 PENNZOIL® SUPER HEAVY-DUTY DOT 4 AND DOT 3 MOTOR VEHICLE BRAKE FLUID**

TEST	METHOD	TYPICAL RESULTS
Equilibrium Reflux Boiling Point	FMVSS-116	478°F
Wet E. R. Boiling Point	FMVSS-116	339°F
Kinematic Viscosity	FMVSS-116	
@ -40°C		1179 cSt
@ 100°C		2.1 cSt
pH	FMVSS-116	8.5
Effect on Brake Cups @70°C	FMVSS-116	None
Effect on Rubber @120°C	FMVSS-116	None
Low Temperature Appearance	FMVSS-116	No Stratification, Sludging, Sedimentation or Crystallization
Water Tolerance	FMVSS-116	No Stratification, Sludging, Sedimentation or Crystallization
Compatibility with Other DOT 3 Brake Fluid	FMVSS-116	No Stratification, Sludging, Sedimentation or Crystallization
Oxidation Resistance	FMVSS-116	Excellent
Corrosivity	FMVSS-116	Nil
Material Number 12/12 Ounce		8543

PENNZOIL'S PERFORMANCE ADVANTAGE

