

# TRANSMISSION FLUID

All-purpose high performance fluid for use in today's automatic and manual transmissions.

- Formulated anti-wear chemistry and friction modifiers guarantee stable friction performance in modern transmissions
- Automatic Transmission Fluid (ATF1)
  - Formulated from synthetic base oils and additive components
  - Surpasses all DEXRON III quality level requirements providing superior ATF fluid performance
  - Meets ZF TE 11 & 14 specification standards
- Double Clutch Transmission Fluid (FFL-2)
  - Fully synthetic fluid with constant stable friction characteristics under the most severe driving conditions
  - Exclusively developed for application in the new Audi/Volkswagen double clutch DSG transmission
- Manual Transmission Fluid (MTF2)
  - Formulated from mineral base oils and additive components
  - 75W-80/API GL5/4 quality



## APPLICATIONS

### AUTOMATIC TRANSMISSION FLUID – PENTOSIN ATF1 (synthetic oil based)

Part #: ATF1

Size: 1 liter (1.06 quarts)

Color: Light Brown

- All ZF 3HP, 4HP, 5HP & 6HP transmissions (green & black label)
  - Aston Martin
  - Audi (1996 on); G052162A2
  - BMW (1995 on)
  - Bentley
  - Jaguar (JLM20238)
  - Land Rover
  - Porsche (99991754500 or 99991754700)
  - Rolls Royce
  - Volkswagen (1996 on); G052162A2
- Dodge Sprinter (all years)
- Mercedes-Benz (suitable replacement for NAG 1 & NAG 2)



### DOUBLE CLUTCH TRANSMISSION FLUID – PENTOSIN FFL-2 (synthetic oil based)

Part #: FFL-2

Size: 1 liter (1.06 quarts)

Color: Amber

- Audi/Volkswagen DSG transmissions (2006 on); TL 52 182



### MANUAL TRANSMISSION FLUID – PENTOSIN MTF2 (mineral oil based)

Part #: MTF2

Size: 1 liter (1.06 quarts)

Color: Amber

- BMW with ZF & Getrag manual transmissions (1997 on)

**Important Notice:** When changing, replacing, or topping off fluids, always check the vehicle owner's manual and/or reservoir tank for indication of what type of fluid was original fill.

ANTIFREEZE

BRAKE FLUID

HYDRAULIC FLUID

MOTOR OIL

TRANSMISSION FLUID



CONTITECH REIN AUTOMOTIVE PENTOSIN  
OE quality brands for import applications.

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**DISCLAIMER:** Application recommendations are based on information available at the time of printing. We do not take responsibility in case of malfunctioning. Always consult the vehicle manufacturer's fluid service recommendations.



# PENTOSIN TECHNICAL FLUID GUIDE



ANTIFREEZE

BRAKE FLUID

HYDRAULIC FLUID

MOTOR OIL

TRANSMISSION FLUID

# INTRODUCING PENTOSIN'S TECHNICAL AUTOMOTIVE FLUIDS

## ANTIFREEZE

Nitrite, amine, and phosphate-free modern engine coolants. Specifically adapted for use in alloy engines and formulated for year-round use.

- Prevents lime formation
- Does not foam
- Protects against corrosion and cavitation
- Manufactured to the exact specs of DIN, ASTM, DBL



### APPLICATIONS

#### LONGTIME ANTIFREEZE (with silicates)

Part #: G001100  
Size: 1.5 liters (1.59 quarts)  
Color: Blue/Green

- Audi (up to 06/1996)
- BMW (all years)
- Dodge Sprinter (all years)
- Mercedes-Benz (all years)
- MINI (2002 on)
- Porsche 924, 928, 944, & 968 (all years)
- Saab (up to 2001)
- Volkswagen (up to 06/1996)
- Volvo (all years)



#### LIFETIME ANTIFREEZE (without silicates)

Part #: G001200  
Size: 1.5 liters (1.59 quarts)  
Color: Violet/Purple

- Audi (after 06/1996); same as G012A8FA4
- Porsche Boxster, 911, Cayman & Cayenne (1996 on)
- Saab 9-3 & 9-5 (2001 on)
- Volkswagen (after 06/1996); same as G012A8FA4

## BRAKE FLUID

Exceeds DOT standards, delivering a more versatile brake fluid. Used by leading automotive manufacturers as first-fill, as well as refill. Especially suited for use in vehicles with ABS.

- High safety margin against vapor lock
- Long-term resistance to absorbing and retaining water
- Superior corrosion resistance
- Low viscosity fluid provides excellent flow performance at low temperatures
- Exceeds FMVSS 116 DOT 4, SAE J1703, and ISO 4925 Class 4 specification standards

**NOTE:** Low viscosity brake fluid can be used in vehicles that do not require a low viscosity fluid; however, standard DOT 3 or 4 brake fluid should not be used for top off in vehicles that require a low viscosity brake. This action will reduce the low temperature properties and decrease the safety performance of the fluid.



### APPLICATIONS

#### SUPER DOT4

Part #: SUPER DOT4  
Size: 0.25 liter (0.26 quart); 0.5 liter (0.53 quart); 0.75 liter (0.80 quart); 1 liter (1.06 quarts); 5 liters (5.3 quarts)  
Color: Light Yellow

- Audi (TL 766Y0)
- Mercedes-Benz (331.0)
- BMW
- Volkswagen (TL 766Y0)



#### DOT4 LV (low viscosity brake fluid)

Part #: DOT4 LV  
Size: 1 liter (1.06 quarts)  
Color: Yellow

- Audi/Volkswagen
- BMW (TL 766Z0)



#### RACING BRAKE FLUID

Part #: Racing Brake Fluid  
Size: 1 liter (1.06 quarts)  
Color: Pale yellow

- Porsche

## HYDRAULIC FLUID

All-purpose high performance hydraulic fluids formulated for central hydraulic systems such as power steering, rear axle steering, level control, hydro-pneumatic suspension, and shock absorbers.

- Ideal for cold weather climates
- Operating temperature range from -40°F to +275°F
- Works perfectly under extreme temperature changes
- Used by more than 25 global vehicle manufacturers as OE first-fill
- Meets DIN 51 524T3 and ISO 7308 specification standards

**Important Notice:** If vehicle specifications state CHF 7.1, CHF 11S and CHF 202 can be substituted in place of, but not mixed with, CHF 7.1. CHF 11S and CHF 202 are fully compatible and mixable. Pentosin CHF fluids should not be mixed with ATF fluids.



#### CHF 7.1 (mineral oil based)

Part #: CHF7.1  
Size: 1 liter (1.06 quarts)  
Color: Green

- Audi/Volkswagen (1984-1989)
- BMW (1987-09/1991)
- Volvo (1995-1998)



#### CHF 11S (synthetic oil based)

Part #: CHF11S  
Size: 1 liter (1.06 quarts)  
Color: Dark Green

- Audi (1990-2006); TL 52 146.00
- BMW (09/1991 on); all begin with model E32
- Chrysler Crossfire; 05127381AA
- Dodge Sprinter (all years)
- Mercedes-Benz (staggered models starting in 1996 - check vehicle owners manual)
- MINI (2002 on)
- Nissan (1994 on)
- Porsche (1995 on)
- Rolls Royce
- Saab 900 Coupe (1995 on); 900/9000 (1997-98) & 9-5 (1998 on)
- Volkswagen (1990-2006); TL 52 146.00
- Volvo (03/1998 on)



#### CHF 202 (synthetic oil based)

Part #: CHF202  
Size: 1 liter (1.06 quarts)  
Color: Dark Green

- Audi (2006 on); TL 52 146.01
- Porsche Cayenne (2005 on)
- Saab (2006 on)
- Volkswagen (2006 on); TL 52 146.01
- Volvo (2002 on)

## MOTOR OIL

Pentosin synthetic and semi-synthetic high performance motor oils offer the optimum performance efficiency and fuel economy even under the most severe driving conditions.

- An all-season motor oil offering great protection against harsh start-up conditions and extreme temperature changes
- Formulated for long service life intervals
- Reduces motor oil sludge and fuel deposits
- Contains special friction modifiers which help the engine run smoothly and improves fuel economy
- Service class API SL/CF and ACEA A3/B3/B4

**Note:** Always consult the vehicle owner's manual to identify motor oil specification requirements.



#### PENTOSPEED 0W-30 VS (synthetic oil based)

Part #: 0W-30-VS  
Size: 1 liter (1.06 quarts); 5 liters (5.3 quarts)  
Color: Amber

- Audi/Volkswagen with 502.00, 503.01 & 505.00 engine oil specs
- BMW with LL-01 engine oil specs
- Mercedes-Benz with MB 229.3 & 229.5 engine oil specs



#### PENTO HIGH PERFORMANCE 5W-40 (synthetic high performance)

Part #: 5W-40-HP  
Size: 1 liter (1.06 quarts); 5 liters (5.3 quarts)  
Color: Amber

- Audi/Volkswagen with 502.00 & 505.00 engine oil specs
- BMW with LL-98 engine oil specs
- Mercedes-Benz with MB 229.3 engine oil specs



#### PENTOSYNTH 5W-40 TS (semi-synthetic oil based)

Part #: 5W-40-TS  
Size: 1 liter (1.06 quarts); 5 liters (5.3 quarts)  
Color: Amber

- Audi/Volkswagen with 500.00, 505.00, & 505.01 engine oil specs
- Mercedes-Benz with MB 229.1 engine oil specs