



PENTOSIN TECHNICAL FLUID GUIDE



TRANSMISSION FLUID

Synthetic oil-based all-purpose high performance fluid for use in today's automatic and manual transmissions.



Automatic Transmission Fluid – PENTOSIN ATF1

Size: 1 liter (1.06 quarts), Part# 1058107
5 liters (1.32 US gallons), Part# 1058206
20 liters (5.28 gallons), Part# 1058219

Color: Amber & Clear

- Suitable for all ECCC* automatic transmissions (except CVT & DCT) (always refer to your vehicle owner's manual)
 - Aston Martin, Audi, BMW, Bentley, Jaguar, Land Rover, Porsche, Rolls Royce, Saab, Volkswagen, Volvo
- Dodge Sprinter (all years)
- Mercedes-Benz (suitable replacement for NAG 1 & NAG 2)

* Electronically Controlled Converter Clutch



Double Clutch Transmission Fluid – PENTOSIN FFL2

Size: 1 liter (1.06 quarts), Part# 1038107
20 liters (5.28 gallons) Part# 1038208

Color: Amber & Clear

- Audi/Volkswagen DSG transmissions (TT Quattro/New Beetle 2004 on; Jetta 2005 on; A3/A3 Quattro/GTI 2006 on; EOS 2007 on; TT 2008 on; R32 2008; Golf/Passat 2010 on; CC 2012 on; S4/S5 2010 on; RS5 2013 on; S6 2013 on; Spec. TL 521 82



Double Clutch Transmission Fluid – PENTOSIN FFL3

Size: 1 liter (1.06 quarts), Part# 1052107
20 liters (5.28 gallons), Special Order

Color: Amber & Clear

- Porsche PDK transmission (911/Boxster/Cayman 2009 on; Panamera 2010 on); (Porsche approved)



Double Clutch Transmission Fluid – PENTOSIN FFL4

Size: 1 liter (1.06 quarts), Part# 1080107
20 liters (5.28 gallons), Special Order

Color: Amber & Clear

- BMW DCT Transmission (M3 2008 on) Z4 2009 on; 135i/335is 2011 on; M5/M6 2012 on; 135is 2013 on; (BMW approved)



Manual Transmission Fluid – PENTOSIN MTF2

Size: 1 liter (1.06 quarts), Part# 8056107
5 liters (1.32 US gallons), Part# 8056206

Color: Amber & Clear

- BMW with ZF & Getrag manual transmissions (1997 on)
- Hyundai Genesis (2010 on)

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.



CHF 11S (synthetic oil based)

Size: 1 liter (1.06 quarts), Part# 1405116
5 liter (1.32 US gallons), Part# 1405216
20 liter (5.28 US gallons), Part# 1405208

Color: Dark Green

- Audi (1990-2005); Spec. TL 52 146.0
- BMW (1990 on; check owners manual)
- Chrysler 300 (2011-2012) 3.6L
- Chrysler Aspen (2009) 5.7L
- Chrysler Crossfire
- Dodge Challenger, Charger, (2011-2013) 3.6L
- Dodge Durango (2011-2013) 3.6L, (2009) 5.7 L
- Dodge Sprinter (all years)
- Jaguar (1990 on)
- Jeep Grand Cherokee (2011-2014) 3.6L, (2014) 5.7L
- Mercedes-Benz (staggered models starting 1990 - check vehicle owners manual); Spec. 345.0
- MINI (all years)
- Porsche (1990-2005)
- Rolls Royce
- Saab (1990-2005)
- Volkswagen (1990-2005); Spec. TL 52 146.00
- Volvo (03/1998-2002)



CHF 202 (synthetic oil based)

Size: 1 liter (1.06 quarts), Part# 8403107
5 liter (1.32 US gallons), Part# 1403206
20 liter (5.28 US gallons), Part# 1403208

Color: Dark Green

- Audi (2006 on); Spec. TL 52 146.01
- Hyundai Genesis V8
- Land Rover
- Porsche Cayenne (2006 on)
- Saab (2006 on)
- Volkswagen (2006 on); Spec. TL 52 146.01
- Volvo (2002 on)

ANTIFREEZE

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



PENTOFROST A1 (with phosphates)

Size: 3.79 liters (1 US gallon), Part# 8115203 (USA/Mexico Only)
3.79 liters (1 US gallon), Part# 8115204 (Canada Only)

Color: Red, Bright, & Clear

- Lexus (1990-2004)
- Toyota (1990-2004)
- Scion (2004)



PENTOFROST A2

Size: 3.79 liters (1 US gallon), Part# 8115205 (USA/Mexico Only)
3.79 liters (1 US gallon), Part# 8115206 (Canada Only)

Color: Green

Extended Life concentrate like the OEM (must add water)

- Hyundai (1990+)
- Infiniti (1990-2008)
- Kia (1990+)
- Mazda (1990+)
- Mitsubishi (1990+ and Lancer based models to 2011 – no Raider)
- Nissan (1990-2008)
- Subaru (1990-2008)



PENTOFROST A3

Size: 3.79 liters (1 US gallon), Part# 8115207 (USA/Mexico Only)
3.79 liters (1 US gallon), Part# 8115208 (Canada Only)

Color: Blue

50/50 diluted Super Extended Life (pre-diluted like the OEM)

- Acura (1990+)
- Honda (1990+)
- Infiniti (2009+)
- Nissan (2009+)
- Subaru (2009+)
- Mitsubishi Raider (2006+ and all Lancer based models to 2012+)



PENTOFROST A4

Size: 3.79 liters (1 US gallon), Part# 8115209 (USA/Mexico Only)
3.79 liters (1 US gallon), Part# 8115210 (Canada Only)

Color: Pink

50/50 diluted Super Extended Life (pre-diluted like the OEM)

- Lexus (2005+)
- Scion (2005+)
- Toyota (2005+)



PENTOFROST ++ (with silicates)

Size: 1.5 liters (1.59 quarts), Part# 8112106
5 liters (1.32 US gallons), Part# 8112206

Color: Pink & Clear

- Audi (all models 2006 on); Spec. TL 774 G
- Porsche (all models 2006-On)
- Volkswagen (all models 2006 on); Spec TL 774 G



PENTOFROST NF (with silicates) (Formerly LONGTIME ANTIFREEZE G11)

Size: 1.5 liters (1.59 quarts), Part# 8114117

Color: Blue

- Audi (up to 06/1996)
- BMW (all years)
- Dodge Sprinter (all years)
- Jaguar (up to 1997)
- Land Rover V8 & Diesel (1990 - 2005)
- Mercedes - Benz (all years)
- MINI (all years)
- Porsche 924, 928, 944, & 968 (all years)
- Saab (up to 2000)
- Volkswagen (up to 6/1996)
- Volvo (all years)



PENTOFROST SF (without silicates) (Formerly LIFETIME ANTIFREEZE G12)

Size: 1.5 liters (1.59 quarts), Part# 8114107

Color: Pink & Clear

- Audi (after 06/1996 up to 2005); Spec. TL 744 F
- Jaguar (1997 on)
- Land Rover Freelander, Discovery, Defender (1998 on)
- Porsche Boxster, 911, Cayman & Cayenne (1996 - 2005)
- Saab (2001 on)
- Volkswagen (after 06/1996 up to 2005); Spec. TL 744 F

NOTE: PENTOFROST ++ can be used where PENTOFROST SF (G001200) is specified for AVW.

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.



SUPER DOT4

Size: 0.25 liter (0.26 quart), Part# 1204112
0.5 liter (0.53 quart), Part# 1204114
1 liter (1.06 quarts), Part# 1204116
5 liters (1.32 US gallons), Part# 1204204

Color: Amber

Boiling Point ≥ 265°C (≥509°F)
Wet Boiling Point ≥ 165°C (≥329°F)

- Audi (up to 2005)
- BMW (up to 6/2002)
- Jaguar (all years)
- Land Rover (all years)
- Mercedes-Benz (all years)
- Porsche (all years)
- Volkswagen (up to 2005)
- Volvo (all years)



DOT4 LV LOW VISCOSITY BRAKE FLUID

Size: 1 liter (1.06 quarts), Part# 1224116
5 liter (1.32 US gallons), Part# 1224204

Color: Amber

Boiling Point ≥ 265°C (≥509°F)
Wet Boiling Point ≥ 170°C (≥338°F)

- Audi (2006 on)
- BMW (7/2002-on)
- MINI (all years)
- Saab (all years)
- Volkswagen (2006 on)

MOTOR OIL

Pentolin synthetic high performance motor oils offer optimum performance, efficiency, and fuel economy even under the most severe driving conditions.



PENTO HIGH PERFORMANCE 5W-30

Size: 1 liter (1.06 quarts), Part# 8043107
5 liters (1.32 US gallons), Part# 8043206
20 liters (5.28 US gallons), Part# 8043208

Color: Brown

Service Class: API SL/CL, ACEA A3/B4

- Audi/Volkswagen with 502.00 & 505.00 engine oil specs
- BMW with LL-01 engine oil specs (diesel only)
- Jaguar (most 1993 on; exceptions Vanden Plas, XJ12, XJ6, XJR, XJS)
- Land Rover (all models where 5W-30 is required)
- Mercedes-Benz with MB 229.5 engine oil specs
- MINI with LL-01 engine oil specs
- Saab with GM-LL-B-025 engine oil specs



PENTO SUPER PERFORMANCE III 5W-30

Size: 1 liter (1.06 quarts), Part# 8078106
5 liters (1.32 US gallons), Part# 8078206
20 liters (5.28 US gallons), Part# 1078208

Color: Brown

Service Class: Exceeds API SM, ACEA C3

- Audi/Volkswagen with 504.00 & 507.00 engine oil specs
- BMW with LL-04 engine oil specs (diesel only)
- Jaguar (most 1993 on; exceptions Vanden Plas, XJ12, XJ6, XJR, XJS)
- Mercedes-Benz with MB 229.51 engine oil specs
- MINI with LL-04 engine oil specs
- Land Rover (all models where 5W-30 is required)
- Saab (all models where 5W-30 is required)



PENTO HIGH PERFORMANCE II 5W-40

Size: 1 liter (1.06 quarts), Part# 8042107
5 liters (1.32 US gallons), Part# 8042206
20 liters (5.28 US gallons), Part# 8042208

Color: Brown

Service Class: Exceeds API SM/CF, ACEA C3

- Audi/Volkswagen with 502.00, 505.00, & 505.01 engine oil specs
- BMW with LL-04 & 5W-40 engine oil specs (diesel only)
- Jaguar (all models where 5W-40 is required)
- Land Rover (all models where 5W-40 is required)
- Mercedes-Benz with MB 229.51 & 5W-40 engine oil specs
- MINI with LL-04 & 5W-40 engine oil specs
- Porsche (all models 1973 on except Cayenne V6)
- Porsche A40 approved
- Volvo (all models where 5W-40 is required)

