



# PENTOSIN TECHNICAL FLUID GUIDE



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ANTIFREEZE

BRAKE FLUID

HYDRAULIC  
FLUID

MOTOR OIL

TRANSMISSION  
FLUID



# ANTIFREEZE

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



## PENTOFROST A1

**50/50 H-OAT Extended Life PRE-DILUTED Antifreeze w/ Phosphates**

3.79 liters / 1 US gallon  
(US/Mexico only)

**Part# 8115213**

3.79 liters / 1 US gallon  
(Canada only)

**Part# 8115214**

**Color: Red**

PREDILUTED antifreeze for water-cooled engines in Asian vehicle applications. Contains phosphates and organic salts to protect all materials used in Asian vehicle cooling systems. Mixable with all phosphate OATs. Meets ASTM D-3306.

MADE IN USA  
ENGINEERED IN JAPAN

### APPLICATED FOR

- Lexus (1990-2004)
- Scion (2004+)
- Toyota (1985-2004)



## PENTOFROST A2

**50/50 H-OAT Extended Life PRE-DILUTED Antifreeze w/ Phosphates**

3.79 liters / 1 US gallon  
(US/Mexico only)

**Part# 8115215**

3.79 liters / 1 US gallon  
(Canada only)

**Part# 8115216**

**Color: Green**

PREDILUTED antifreeze for water-cooled engines in Asian vehicle applications. Contains phosphates and organic salts to protect all materials used in Asian vehicle cooling systems. Mixable with all phosphate OATs. Meets ASTM D-3306.

MADE IN USA  
ENGINEERED IN JAPAN

### APPLICATED FOR

- Genesis (2017+)
- Hyundai (1990+)
- Mitsubishi Lancer,
- Infiniti (1990-2008)
- Kia (1990+)
- Mirage, Outlander,
- Mazda (1990+, ex. 2006)
- Mitsubishi (1990+)
- Ranger, RVR (Up to
- Nissan (1990-2008)
- Subaru (1990-2008)
- 2011)
- Suzuki (1995-2008)



# ANTIFREEZE

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



## PENTOFROST A3

**50/50 H-OAT Extended Life PRE-DILUTED Antifreeze w/ Phosphates**

3.79 liters / 1 US gallon  
(US/Mexico only)

**Part# 8115207**

3.79 liters / 1 US gallon  
(Canada only)

**Part# 8115208**

**Color: Blue**

PREDILUTED antifreeze for water-cooled engines in Asian vehicle applications. Contains phosphates and organic salts to protect all materials used in Asian vehicle cooling systems. Mixable with all phosphate OATs. Meets ASTM D-3306.

MADE IN USA  
ENGINEERED IN JAPAN

### APPLICATED FOR

- Acura (1990+)
- Honda (1990+)
- Infiniti (2009+)
- Mazda (2006+)
- Mitsubishi Raider
- Mitsubishi Lancer,
- Nissan (2009+)
- (2006+)
- Mirage, Outlander,
- Scion FR-S (2013+)
- Subaru (2009+)
- Ranger, RVR (2011+)
- Suzuki (1995-2008)
- Toyota 86 (2017-2020)
- Toyota Yaris (2019+)



## PENTOFROST A4

**50/50 H-OAT Extended Life PRE-DILUTED Antifreeze w/ Phosphates**

3.79 liters / 1 US gallon  
(US/Mexico only)

**Part# 8115209**

3.79 liters / 1 US gallon  
(Canada only)

**Part# 8115210**

**Color: Pink**

PREDILUTED antifreeze for water-cooled engines in Asian vehicle applications. Contains phosphates and organic salts to protect all materials used in Asian vehicle cooling systems. Mixable with all phosphate OATs. Meets ASTM D-3306.

MADE IN USA  
ENGINEERED IN JAPAN

### APPLICATED FOR

- Lexus (2005+)
- Toyota (2005+)
- Scion (2005+)
- Scion FR-S (2013+)



# ANTIFREEZE

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

## PENTOFROST E

**H-OAT Antifreeze CONCENTRATE w/ Silicates (G13)** *Must add water*

1.5 liters / 1.59 US quarts  
(US/Mexico only)

**Part# 8113106**

1.5 liters / 1.59 US quarts  
(Canada only)

**Part# 8114106**

5 liters / 1.32 US gallons  
(US/Mexico only)

**Part# 8113206**

5 liters / 1.32 US gallons  
(Canada only)

**Part# 8114206**

**Color: Violet**

Environmentally friendly antifreeze CONCENTRATE for multipurpose applications in water-cooled engines. This coolant provides exceptional performance while utilizing an environmentally friendly manufacturing process — now using glycerin in addition to our glycol base. Does not contain any nitrites, amines, or phosphorous containing additives. Protects all material used in cooling systems and is recommended for non-ferrous metals and year-round use. Pentofrost E can be used where the VW G11, G12, G12+, G12++, G13, and MB G40 are required. Meets ASTM D-3306.

MADE IN GERMANY

### APPLICATED FOR

• Audi (2006+) Spec. TL 774 G	• Bentley (2014+)	• Freightliner Sprinter (2019+)
• Lamborghini	• Mercedes-Benz G40	
• Porsche (2006+)	• Volkswagen (2006+)	
• Smart (2016-2018)	Spec. TL 774 G	

Applies to all Audi / Volkswagen



# ANTIFREEZE

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

## PENTOFROST SF

**H-OAT Antifreeze CONCENTRATE w/o Silicates (G12, G12+)**

1.5 liters / 1.59 US quarts  
(US/Mexico only)

**Part# 8114107**

1.5 liters / 1.59 US quarts  
(Canada only)

**Part# 8114127**

**Color: Pink & Clear**

Environmentally friendly antifreeze CONCENTRATE for multipurpose applications in water-cooled engines. Free from nitrites, amines, phosphorous additives, or silicates. Recommended for non-ferrous metals and year-round use. Meets ASTM D-3306.

MADE IN GERMANY

### APPLICATED FOR

• Audi (6/1996-2005) Spec. TL 744 F	• Infiniti QX30 (2017-2019)	• Jaguar (1997+)
• Land Rover Range Rover (2006+)	• Land Rover Freelander, Discovery,	• Land Rover Other Models (1993+)
• Porsche Boxster, 911, Camera GT, Cayman, Cayenne (1996-2005)	Defender (1998+)	• Volkswagen (6/1996-2005) Spec. TL 744 F
	• Saab (2001+)	



## PENTOFROST NF

**Antifreeze CONCENTRATE w/ Silicates (G11)**

1.5 liters / 1.59 US quarts  
(US/Mexico only)

**Part# 8114117**

1.5 liters / 1.59 US quarts  
(Canada only)

**Part# 8114137**

**Color: Blue**

Environmentally friendly antifreeze CONCENTRATE for multipurpose applications in water-cooled engines. Free from nitrites, amines, and phosphorous additives. Recommended for non-ferrous metals and year-round use. Meets ASTM D-3306.

MADE IN GERMANY

### APPLICATED FOR

• Audi (Up to 6/1996)	• BMW/MINI (Up to 2018)	• Dodge Sprinter (2003-2009)
• Jaguar (Up to 1997)	• Land Rover/Range Rover (1990-2005)	• Mercedes-Benz/ Sprinter (All Years)
• Porsche 924, 928, 244, 968 (All Years)	• Rolls-Royce (1996-2016)	• Saab (Up to 2000)
• Smart (2008-2015)	• Volkswagen (Up to 6/1996)	• Volvo (All Years)
• Tesla (2008+)		





# 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.



## PENTOSIN SUPER DOT 4

### Corrosion Resistant Universal Brake Fluid

500ml / 0.53 US quarts	Part# 1204114
1 liter / 1.06 US quarts	Part# 1204116
5 liters / 1.32 US gallons	Part# 1204204

#### Color: Amber

Superior quality for universal use in modern brake systems  
and ideal for vehicles with ABS systems. Pentosin Super DOT  
4 offers safety against vapor lock; it has excellent resistance  
to absorbing and retaining water and provides superior  
corrosion resistance.

MADE IN GERMANY

### APPLICATED FOR

• Audi (Up to 2005)	• BMW (Up to 6/2006)	• Dodge Sprinter
• Freightliner Sprinter (2002-2017)	• Jaguar (1993-2002)	(2003-2009)
• Mercedes-Benz (All years)	• Porsche (All years)	• Land Rover
• Volvo (1990-2017)	• Volkswagen (Up to 2005)	(1987-2006)
	• Smart (2005-2017)	



## PENTOSIN DOT 4 LV

### Low Viscosity/Cold Conditions Brake Fluid

250ml / 0.26 US quarts	Part# 1224112
1 liter / 1.06 US quarts	Part# 1224116
5 liters / 1.32 US gallons	Part# 1224204

#### Color: Amber

Designed for highest DOT 4 performance levels and  
extremely low viscosity at cold temperatures. Offers excellent  
resistance to absorbing and retaining water and provides  
superior corrosion resistance. Ideal for all modern vehicles  
with ESP and ABS and can be used in all vehicles that require  
DOT 4 fluid.

MADE IN GERMANY

### APPLICATED FOR

• Audi (2006+)	• BMW (7/2006+)	• Ford (2013+)
• Jaguar (2003+)	• Land Rover / Range Rover (2007+)	• Land Rover LR2, LR3, LR4 (All years)
• Lincoln (2013+)	• MINI (All years)	• Porsche (2017+)
• Range Rover Evoque, Sport (All years)	• Saab (All years)	• Volkswagen (2006+)
• Volvo (2017+)		



# 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.

## PENTOSIN CHF 11S

### Synthetic Oil-Based Hydraulic Fluid

1 liter / 1.06 US quarts	Part# 1405116
5 liters / 1.32 US gallons	Part# 1405216
20 liters / 5.28 US gallons	Part# 1405208

#### Color: Dark Green

Synthetic high performance hydraulic fluid for lifetime application in modern vehicle  
aggregates. Specially designed for hydraulics in the automotive industry with the highest  
technical requirements: power steering, level control, shock absorber, hydro-pneumatic  
suspension, stability and traction control, hydraulics for convertible tops, central lock  
systems, etc. Suitable for all extreme conditions and guarantees full performance from  
-40°C to over 130°C system temperature.

MADE IN GERMANY

### APPLICATED FOR

• Audi (1990-2005)	• BMW (1990-2019)	• Chrysler Crossfire
• Dodge (2011-2015)	• Jaguar (1997-2011)	(2004-08)
• Land Rover Discovery (2015)	• Mercedes-Benz (Various)	• Jeep (2011-2015)
• Porsche (1990-2005)	• Range Rover Evoque (2014-2015)	• MINI Cooper (2002-2008)
• Rolls-Royce (2004-2020)	• Volkswagen (2014+)	• RAM Promaster (2014+)
• Volvo (3/1998-2002)	(1990-2005)	





# 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.



## PENTOSIN CHF 202

**Synthetic Oil-Based Hydraulic Fluid**

1 liter / 1.06 US quarts

**Part# 8403107**

**Color:** Dark Green

Synthetic high performance hydraulic fluid for lifetime application in modern vehicle aggregates. Specially designed for hydraulics in the automotive industry with the highest technical requirements: power steering, clutch hydraulic, electro-hydraulic mechanisms of convertible tops, etc. Suitable for all extreme ambient temperatures and guarantees full performance from -40°C to 130°C system temperature.

MADE IN GERMANY

### APPLICATED FOR

• Audi (2006+)	• Hyundai Genesis/ Equus (2009-2016)	• Jaguar (2013-2017)
• Kia K900 (2015-2017)	• Saab (2006+)	• Land Rover LR2 (2008-2015)
• Porsche 911 (2012-2019), Cayenne (2016-2019), Panamera (2010-2016)	• Volkswagen (2006+)	• Volvo (2002+)



## PENTOSIN EHF

**Synthetic Oil-Based Hydraulic Fluid**

1 liter / 1.06 US quarts

**Part# 1405115**

**Color:** Dark Green

High performance hydraulic power steering fluid for lifetime application in modern vehicle aggregates. Suitable for all extreme conditions and guarantees full performance from -40°C to over 130°C system temperature. Can be used in all models listed for CHF 11S and CHF 202 as a "recommended for" alternative to the OEM formulations. Not a replacement for the customer who only wants the OEM formulation.

MADE IN GERMANY

### APPLICATED FOR

• Audi (1990+)	• BMW (1990-2019)	• Chrysler Crossfire (2004-08)
• Dodge (2011-2015)	• Hyundai Genesis/ Equus (2009-2016)	• Jeep (2011-2015)
• Jaguar (1997-2017)	• Land Rover Discovery (2015), LR2 (2008-2015)	• Mercedes-Benz
• Kia K900 (2015-2017)	• Range Rover Evoque (2014-2015)	• RAM Promaster (2014+)
• MINI Cooper (2002-2008)	• Saab (2006+)	• Rolls-Royce (2004-2020)
• Porsche (1990-2005), 911 (2012-2019), Cayenne (2016-2019), Panamera (2010-2016)	• Volkswagen (1990+)	• Volvo (3/1998+)



# MOTOR OIL

Synthetic high-performance motor oils offering optimum performance, efficiency, and fuel economy even under the most severe driving conditions.



## PENTO HP 5W-30

**Fully Synthetic Fuel Economy Engine Oil**

1 liter / 1.06 US quarts

**Part# 8043107**

5 liters / 1.32 US gallons

**Part# 8043206**

20 liters / 5.28 US gallons

**Part# 8043208**

**Color:** Amber & Clear

**Specifications Met:** API SL, ACEA A3/B4

Developed for the most recent vehicles with extended oil service intervals. Can be used in all gasoline and diesel engines containing turbochargers as well as non-turbocharged vehicles requiring 5W-30.

MADE IN GERMANY

### APPLICATED FOR

• Audi 502.00/505.00 <sup>1</sup>	• BMW LL-01 <sup>1</sup>	• Chrysler MS-10725 <sup>1</sup>
• Dodge/Freightliner Sprinter MB229.5 <sup>1</sup>	• Jaguar (1997-09) <sup>2</sup>	• Land Rover (All years) <sup>2</sup>
• Mercedes-Benz MB229.5 <sup>1</sup>	• MINI LL-01 <sup>1</sup>	• Saab (1992-2005) <sup>2</sup>
	• SMART MB229.5 <sup>1</sup>	• Volkswagen 502.00/505.00 <sup>1</sup>
	• Volvo (1992-2012) <sup>2</sup>	



## PENTO HP II 5W-40

**Fully Synthetic Four-Season Engine Oil**

1 liter / 1.06 US quarts

**Part# 8042107**

5 liters / 1.32 US gallons

**Part# 8042206**

20 liters / 5.28 US gallons

**Part# 8042208**

**Color:** Amber & Clear

**Specifications Met:** API SN, ACEA C2/C3

Fully synthetic, high performance engine oil designed to be used in vehicles for all year use. Allows for longer changing intervals, and it preserves the catalyst, the environment, and maintains outstanding engine performance.

MADE IN GERMANY

### APPLICATED FOR

• Audi 505.00/505.01/511.0 <sup>1</sup>	• BMW LL-04 <sup>1</sup>	• Chrysler MS-10725 <sup>1</sup>
• Dodge/Freightliner Sprinter MB229.51/.52/.31 <sup>1</sup>	• Ford WSS-M2C917-A <sup>1</sup>	• Land Rover (All years) <sup>3</sup>
• Mercedes-Benz MB229.51/.52/.31 <sup>1</sup>	• Jaguar (All years) <sup>3</sup>	• Saab (All years) <sup>3</sup>
	• Porsche A40/C40 <sup>1</sup>	• Volkswagen 505.00/505.01/511.0 <sup>1</sup>
	• SMART MB229.51 <sup>1</sup>	
	• Volvo (All years) <sup>3</sup>	

<sup>1</sup> Applies to models of make indicated where specified motor oil approval is required.

<sup>2</sup> Applies to all models of make indicated where 5W-30 is required.

<sup>3</sup> Applies to all models of make indicated where 5W-40 is required.

# MOTOR OIL

Synthetic high-performance motor oils offering optimum performance, efficiency, and fuel economy even under the most severe driving conditions.



## PENTO SP III 5W-30

**Fully Synthetic Extended Life Engine Oil**

1 liter / 1.06 US quarts **Part# 8078106**

5 liters / 1.32 US gallons **Part# 8078206**

**Color:** Amber & Clear

**Specifications Met:** API SN, ACEA C3

High performance engine oil providing extended oil drain intervals in modern engines. Uses state-of-the-art additive technology and synthetic base oils to blend a "low SAPS" oil in a way that preserves the catalyst and environment while maintaining outstanding engine performance.

MADE IN GERMANY

### APPLICATED FOR

• Audi 504.00/507.00 <sup>1</sup>	• BMW LL-04 <sup>1</sup>	• Ford WSS-M2C917-A <sup>1</sup>
• Dodge/Freightliner	• Fiat 9.55535-S3 <sup>1</sup>	• Land Rover (1993-
• Sprinter MB229.51/.52 <sup>1</sup>	• Jaguar (1997-10) <sup>2</sup>	2012) <sup>2</sup>
• Mercedes-Benz	• MINI LL-04 <sup>1</sup>	• Saab (All years) <sup>2</sup>
MB229.51/.52 <sup>1</sup>	• Volvo (1994-2012) <sup>2</sup>	• Volkswagen
• SMART MB229.51/.52 <sup>1</sup>	• Chrysler MS-11106 <sup>1</sup>	504.00/507.00 <sup>1</sup>



## PENTOSPEED SP 5W-40

**Fully Synthetic Extended Life Engine Oil**

1 liter / 1.06 US quarts **Part# 8044107**

5 liters / 1.32 US gallons **Part# 8044206**

**Color:** Amber

**Specifications Met:** API CF, ACEA A3/A4

Super performance engine oil providing outstanding fuel economy and reduced emissions. Offers excellent cold starting behavior, extremely fast oil circulation, and high thermal stability. Thermal stable, reduces wear, and can be used for extended drain intervals.

MADE IN GERMANY

### APPLICATED FOR

• Audi 502.00/505.00 <sup>1</sup>	• BMW LL-01 <sup>1</sup>	• Dodge/Freightliner
• Mercedes-Benz	• MINI LL-01 <sup>1</sup>	• Sprinter MB226.5/
MB226.5/MB229.5 <sup>1</sup>	• Porsche A40 <sup>1</sup>	MB229.5 <sup>1</sup>
• Saab (1992-05) <sup>3</sup>	• SMART MB229.5 <sup>1</sup>	• Volkswagen
		502.00/505.00 <sup>1</sup>

<sup>1</sup> Applies to models of make indicated where specified motor oil approval is required.

<sup>2</sup> Applies to all models of make indicated where 5W-30 is required.

<sup>3</sup> Applies to all models of make indicated where 5W-40 is required.

# MOTOR OIL

Synthetic high-performance motor oils offering optimum performance, efficiency, and fuel economy even under the most severe driving conditions.

## PENTO HP II+ 5W-30

**Fully Synthetic Four-Season Engine Oil**

1 liter / 1.06 US quarts

**Part# 8044218**

5 liters / 1.32 US gallons

**Part# 8044220**

**Color:** Amber

**Specifications Met:** API SP, ACEA C2/C3

Premium, fully synthetic engine oil for passenger cars and vans. With the combination of ACEA C2 and C3 and corresponding approvals, Pento HP II+ 5W-30 offers a wide range of applications with harmonization potential of several European and Asian manufacturers.

Advantageous for modern down-sizing engines and engines with start-stop-systems as well as exhaust gas after-treatment systems such as catalysts or particulate filters. Universally applicable motor oil for diesel, petrol, and gas engines of many manufacturers. Up to 1.6% additional reduction in fuel consumption compared to oils of the same viscosity class. Excellent aging resistance.

MADE IN GERMANY

### APPLICATED FOR

• Audi 505.00/505.01 <sup>1</sup>	• BMW LL-04 <sup>1</sup>	• Chrysler MS-11106 <sup>1</sup>
• Dodge/Freightliner	• GM GM-LL-A-025/	• GMC (2016-2021) <sup>2</sup>
• Sprinter	GM-LL-GB-025 <sup>1</sup>	• Mercedes-Benz
MB229.51/.52/.31 <sup>1</sup>	• Jeep Grand Cherokee	MB229.51/.52/.31 <sup>1</sup>
• RAM Promaster	(2007-2009) <sup>2</sup>	• Saab (All years) <sup>2</sup>
(2014-2018) <sup>2</sup>	• Volkswagen	• Volvo (1994-2012) <sup>2</sup>
• SMART MB229.51 <sup>1</sup>	505.00/505.01	



<sup>1</sup> Applies to models of make indicated where specified motor oil approval is required.

<sup>2</sup> Applies to all models of make indicated where 5W-30 is required.



# MOTOR OIL

Synthetic high-performance motor oils offering optimum performance, efficiency, and fuel economy even under the most severe driving conditions.



## PENTOSPEED VCC 0W-20

### Fully Synthetic Fuel Economy Engine Oil

1 liter / 1.06 US quarts **Part# 8044313**  
5 liters / 1.32 US gallons **Part# 8044315**

**Color:** Brown

**Specifications Met:** ACEA A5/B5, Volvo Appr. VCC RBS0-2AE

Innovatively formulated low viscosity motor oil designed specifically for use with the new Volvo VEA engine generation of gasoline and diesel engines. Unique formulation offers superior wear protection and performance reserves. Excellent in cold start conditions and boasts reduced CO2 emissions and lower fuel consumption. The significant improvements in fuel economy and CO2 emissions were achieved by lowering the dynamic viscosity and utilizing new additive technology.

MADE IN GERMANY

### APPLICATED FOR

• Volvo 4 Cyl. 2.0L 502.00/505.00



## PENTOSPEED FE+ 0W-20

### Premium Performance Engine Oil

1 liter / 1.06 US quarts **Part# 8044317**  
5 liters / 1.32 US gallons **Part# 8044319**

**Color:** Amber

**Specifications Met:** API SP RC, ACEA C5/C6, ILSAC GF-6A

Uniquely formulated using XTL technology (Xtreme Temperature Lubrication) with state-of-the-art additive technology. XLT-Technology allows improved aging stability in high-speed driving and high outside temperature environments. Reduced fuel consumption (up to 3.6%) and less CO2 emissions. Protects against Low-Speed Pre-Ignition (LSPI) and offers outstanding wear protection in all operating conditions.

MADE IN GERMANY

### APPLICATED FOR

• BMW LL-17 FE+ <sup>1</sup>	• Buick (2018+) <sup>2</sup>	• Cadillac (2019+) <sup>2</sup>
• Chevrolet (2019+) <sup>2</sup>	• Chrysler Pacifica	• Fiat 9.55535-GSX <sup>1</sup>
• Ford/Lincoln	(2018-2019) MS-12145 <sup>1</sup>	• GMC (2018+) <sup>2</sup>
WSS-M2C947-A <sup>1</sup>	• Infiniti Q50 (2019)	• Jaguar/Land Rover
• Mercedes-Benz	• MINI LL-17 FE+ <sup>1</sup>	STJLR.03.5006 <sup>1</sup>
MB229.71/.72 <sup>1</sup>	• Toyota GR Supra (2020+)	

<sup>1</sup> Applies to models of make indicated where specified motor oil approval is required.

<sup>2</sup> Applies to all models of make indicated where Dexos 1 Gen 2 0W-20 is required.

# TRANSMISSION FLUID

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



## PENTOSIN ATF 5

### Long-Life Fully Synthetic ATF

1 liter / 1.06 US quarts **Part# 1058108**  
5 liters / 1.32 US gallons **Part# 1058208**  
20 liters / 5.28 US gallons **Part# 1058308**

**Color:** Amber & Clear

Fully synthetic high performance automatic transmission fluid for life-time application in automatic gear boxes. Formulated by means of the best commercially available synthetic base oils and additive components. High performance shear stable VI-Improver plus modern anti-wear chemistry and friction modifiers guarantee sound stable friction performance in modern automatic transmissions equipped with an electronically controlled converter clutch.

MADE IN GERMANY

### APPLICATED FOR

• Aston Martin (2000-2004) <sup>1</sup>	• Audi (1988-2006) <sup>1</sup>	• BMW (1992-2006) <sup>1</sup>
• Jaguar (1995-2003) <sup>1</sup>	• Land Rover/Range	• Mercedes-Benz
• Peugeot 405/505	Rover (2003-2005) <sup>1</sup>	(1990-1996), ML350
(1990-1991)	• Porsche (1990-2003) <sup>1</sup>	(2003-2005) <sup>1</sup> , V-Class
• Volkswagen (1990-2006)	• Rolls-Royce Silver	(1996-2003) <sup>2</sup>
G052162A2 <sup>1</sup>	Seraph (1999-2002)	



## PENTOSIN ATF 6

### Long-Life Fully Synthetic ATF

1 liter / 1.06 US quarts **Part# 1058106**  
5 liters / 1.32 US gallons **Part# 1058207**  
20 liters / 5.28 US gallons **Part# 1058306**

**Color:** Amber & Clear

Specially developed with reduced viscosity to optimize the performance of specified 6-speed ZF automatic transmissions. Developed to deliver good friction control, excellent durability and oxidation control which ensures long oil life with proven performance.

MADE IN GERMANY

### APPLICATED FOR

• Alfa Romeo (2000-2004) <sup>3</sup>	• Aston Martin (2000-2004) <sup>3</sup>	• Audi A4 (2004-2007),
• BMW (2002-2015) <sup>3</sup>	• Jaguar (2003-2015) <sup>3</sup>	S6 (2007-2011), S8
• Land Rover (2005-2013) <sup>3</sup>	• Maserati (2007-2019) <sup>3</sup>	(2007-2009) G055005A2
• Rolls-Royce Phantom	• Volkswagen (1990-2006)	• Porsche (1990-2008) <sup>3</sup>
(2004-2012)	G052162A2 <sup>1</sup>	

<sup>1</sup> Applies to ZF5HP models of make indicated.

<sup>2</sup> Applies to ZF4HP models of make indicated.

<sup>3</sup> Applies to ZF6HP models of make indicated.

# TRANSMISSION FLUID

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



## PENTOSIN ATF 8

### Long-Life Fully Synthetic ATF

1 liter / 1.06 US quarts      **Part# 1058110**  
5 liters / 1.32 US gallons      **Part# 1058210**

**Color:** Green

Specially developed with reduced viscosity to optimize the performance of specified 6 and 8-speed ZF automatic transmissions. Developed to be suitable for use with a range of automatic transmissions and delivers improved friction control, strong anti-shudder performance along with excellent oxidation performance and wear protection.

MADE IN GERMANY

### APPLICATED FOR

• Alfa Romeo (2017+) <sup>1</sup>	• Aston Martin (2015+) <sup>1</sup>	• Audi (2005+) <sup>1</sup>
• Bentley (2013+) <sup>1</sup>	• BMW (2010+) <sup>1</sup>	• Chrysler 200/300/ Pacifica (2012+) <sup>1</sup>
• Dodge Challenger/ Charger/Durango (2012+) <sup>1</sup>	• Jaguar (2013+) <sup>1</sup>	• Jeep (2014+) <sup>1</sup>
• Land Rover (2013+) <sup>1</sup>	• Maserati (2014+) <sup>1</sup>	• RAM 1500 (2013+) <sup>1</sup>
• Rolls-Royce (2010+) <sup>1</sup>	• Promaster (2015+) <sup>1</sup>	• Volkswagen Phaeton (2004-2006) <sup>1</sup>
• Toyota GR Supra (2020+)		



## PENTOSIN ATF 9

### Long-Life Fully Synthetic ATF

1 liter / 1.06 US quarts      **Part# 1058111**  
5 liters / 1.32 US gallons      **Part# 1058211**

**Color:** Green

Specially developed with reduced viscosity to optimize the performance of latest generation 8 and 9-speed ZF automatic transmissions. Developed to deliver outstanding friction control to ensure excellent shifting performance. Provides ultimate wear protection and anti-shudder performance.

MADE IN GERMANY

### APPLICATED FOR

• Acura MDX/TLX (2016+) <sup>2</sup>	• Honda Odyssey/ Passport/Pilot (2016+) <sup>2</sup>	• Jaguar E-Pace (2018+) <sup>2</sup>
--------------------------------------	---	--------------------------------------

<sup>1</sup> Applies to ZF8HP models of make indicated.  
<sup>2</sup> Applies to ZF9HP models of make indicated.

# TRANSMISSION FLUID

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



## PENTOSIN ATF 44

### Long-Life Fully Synthetic ATF

1 liter / 1.06 US quarts      **Part# 1058112**  
5 liters / 1.32 US gallons      **Part# 1058212**

**Color:** Red & Clear

Mainly designated for use in Aisin AW automatic transmissions used in a large number of Asian passenger cars and light duty vehicles. Can also be used in select American and European models. Due to its outstanding properties, it can be used in many aggregates of Asian origin or where DEXRON III-type fluids are demanded. Mixable and compatible with conventional branded gear oils.

MADE IN GERMANY

### APPLICATED FOR

• DEXRON III	• GM 9986195	• Nissan MATIC C/D/J
• BMW MINI 83 22 0 402 413	• Honda ATF Z-I	• Saab 3309
• BMW MINI 83 22 7 542 290	• Hyundai SP III	• Subaru ATF Oil/ATF Oil
• Chrysler MS7176E/9602	• ISUZU BESCO ATF -II/-III (ATF +3/+4)	• Special/ATF HP
• Daihatsu Alumix ATF Multi	• JATCO 3100 PL085/FWD (N402)/JF506E (K17)	• Suzuki ATF 3309/3317
• Fiat 9.55550-AV1/AV4	• JWS 3309/Type T-IV	• Toyota Type
• Ford MERCON V	• Mazda ATF D-III/ATF M-3	• D-2/T/T-II/T-III/T-IV
• Ford M2C924-A/M2C922-A1	• Volkswagen	
	• Mitsubishi SP-II/-III	• G 052 990/055 025



## PENTOSIN ATF 64

### Long-Life Fully Synthetic ATF

1 liter / 1.06 US quarts      **Part# 1058113**  
5 liters / 1.32 US gallons      **Part# 1058215**

**Color:** Dark Red

Mainly designated for use in Aisin AW automatic transmissions used in a large number of Asian passenger cars and light duty vehicles. Can also be used in select American and European models. Due to its outstanding properties, ATF 64 can be used in many aggregates of Asian origin or where DEXRON VI and MERCON LV type fluids are demanded. Mixable and compatible with conventional branded gear oils.

MADE IN GERMANY

### APPLICATED FOR

• Aisin Warner/AW-1	• DEXRON VI	• Kia SP-IV
• BMW 81 22 9 400 272/81 22 9 400 275	• Fiat 9.55550-AV2/-AV6	• Mitsubishi ATF-J3/ ATF-PA/MA1
81 22 9 407 738/83 22 0 397 114	• Ford MERCON LV	• Nissan MATIC S
83 22 0 403 248/83 22 0 403 249	• GM 9256039/88863400	• Toyota Type WS
83 22 0 432 807/83 22 2 163 514	• Honda DW-1	• Volkswagen
83 22 2 167 718/83 22 2 167 720	• Hyundai NWS 9638/ SP-IV/SP-IV M/SP-IV RR	• G 055 540 A2
83 22 2 355 599/83 22 2 355 601	• JWS 3324	• ZF TE-ML 09
83 22 9 407 858/83 22 9 407 859		



# TRANSMISSION FLUID

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



## PENTOSIN ATF 134

### Ultra High-Performance ATF

1 liter / 1.06 US quarts	Part# 1088117
5 liters / 1.32 US gallons	Part# 1088216
20 liters / 5.28 US gallons	Part# 1088316

Color: Red

Ultra high-performance automatic transmission fluid developed to improve shifting comfort for the new generation of Mercedes-Benz 5-Speed 722.6 & 7-Speed 722.9 automatic transmissions. Backward compatible to products fulfilling the requirements of MB-Approval 236.12. Offers excellent low temperature properties, outstanding fuel-efficiency potential, and increased friction stability.

MADE IN GERMANY

### APPLICATED FOR

- Mercedes-Benz 7-speed (Up to 2010) Spec. MB236.14



## PENTOSIN ATF 134 FE

### Premium Performance, Low Viscosity ATF

1 liter / 1.06 US quarts	Part# 1089117
5 liters / 1.32 US gallons	Part# 1089216

Color: Blue

Developed to further optimize gearbox efficiency of the latest generation Mercedes-Benz 7-G Tronic Plus (NAG II+) automatic transmissions. Advanced OEM Approved fluid with the lowest viscosity ATF available in the world, providing impressive fuel economy potential and low temperature performance. NOT downwards compatible with previous MB-ATF specifications.

MADE IN GERMANY

### APPLICATED FOR

- Mercedes-Benz 7-speed (2010+) Spec. MB236.15

# TRANSMISSION FLUID

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



## PENTOSIN ATF 134 FE PLUS

### Premium Performance, Low Viscosity ATF

1 liter / 1.06 US quarts	Part# 1090117
5 liters / 1.32 US gallons	Part# 1090216

Color: Amber & Clear

Premium Performance ATF with reduced viscosity, especially developed to further optimize fuel-economy and gearbox efficiency of latest generation Mercedes-Benz 9-speed automatic transmissions. Not downwards compatible with previous MB-ATF-Specifications.

MADE IN GERMANY

### APPLICATED FOR

- Mercedes-Benz 9-speed (2017+) Spec. MB236.17



## PENTOSIN FFL-2

### Fully Synthetic Double Clutch (DSG) Transmission Fluid

1 liter / 1.06 US quarts	Part# 1038107
5 liters / 1.32 US gallons	Part# 8038207
20 liters / 5.28 US gallons	Part# 1038208

Color: Amber & Clear

The only approved first fill and service fill transmission fluid for the new generation of AVW double clutch gear transmissions (DSG). Founded on a fully synthetic base oil technology for safe operation at even the highest thermal load. Features a special clutch friction performance which makes it mandatory to be applied solely to the double clutch gear box — do not mix with any other gear oils.

MADE IN GERMANY

### APPLICATED FOR

- |   |   |
|---|---|
| Audi DSG Trans. (2004+)<br>Spec. Tl521.82/G052182A2 | Volkswagen DSG Trans. (2004+)<br>Spec. Tl521.82/G052182A2 |
|---|---|

# TRANSMISSION FLUID

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



## PENTOSIN FFL-3

### Fully Synthetic Double Clutch (PDK) Transmission Fluid

1 liter / 1.06 US quarts **Part# 1052107**  
20 liters / 5.28 US gallons **Part# 1052208**

**Color: Amber & Clear**

The only approved first fill and service fill transmission fluid for the new generation of Porsche double clutch gear transmissions (PDK). Founded on a fully synthetic base oil technology for safe operation at even the highest thermal load. Features a special clutch friction performance which makes it mandatory to be applied solely to the double clutch gear box — do not mix with any other gear oils. Can be used where BMW MTF-LT-5 manual transmission fluid is specified.

MADE IN GERMANY

### APPLICATED FOR

- |  |   |
|--|---|
| • <b>BMW Manual Trans.</b><br>(2011+) MTF-LT-5 | • <b>Porsche PDK Trans.</b> (2009-2017)<br>Part# 000-043-207-29 |
|--|---|



## PENTOSIN FFL-4

### Fully Synthetic Double Clutch (DCT) Transmission Fluid

1 liter / 1.06 US quarts **Part# 1080107**  
5 liters / 1.32 US gallons **Part# 1080207**  
20 liters / 5.28 US gallons **Part# 1080208**

**Color: Amber & Clear**

The only approved first fill and service fill transmission fluid for new generation BMW double clutch gear transmissions (DCT). Founded on a fully synthetic base oil technology for safe operation at even the highest thermal load. Features special clutch friction performance which makes it mandatory to be applied solely to the double clutch gear box — do not mix with any other gear oils.

MADE IN GERMANY

### APPLICATED FOR

- |  |  |   |
|--|--|---|
| • <b>Audi R8</b> (2014+), <b>R5</b> (All years), <b>S4</b> (2010+), <b>S5</b> 3.0L (2010+), <b>S6/S7</b> (2013+) | • <b>BMW DCT Trans.</b> M3 (2008+), M5/M6 (2012+), Z4 (2009+), 135i/335is (2011+)    | • <b>Corvette C8</b> Stingray 8-speed DCT (2020+)                                     |
| • <b>Ferrari</b> (2009+) (2011+)   | • <b>Hyundai</b> Genesis Coupe (2010-2016)   |   |
| • <b>Mercedes-Benz</b> CLA250/45 AMG (2014+), GLA250/45 (2015), SLS AMG (2011+)                                  | • <b>Ford Fiesta</b> (2011+), Focus (2012+), Bronco MT/ Mustang Shelby GT500 (2021+) | • <b>Mitsubishi</b> Lancer 2.0L Turbo (2008+), S80 (2010-2011), V70/XC60/ XC70 (2010) |
| • <b>MINI</b> Cooper MT (2014+)  | • <b>Porsche</b> Macan (2015)  |   |

# TRANSMISSION FLUID

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



## PENTOSIN FFL-8

### Fully Synthetic Double Clutch (PDK) Transmission Fluid

1 liter / 1.06 US quarts **Part# 1090107**  
5 liters / 1.32 US gallons **Part# 1090207**  
20 liters / 5.28 US gallons **Part# 1090208**

**Color: Amber & Clear**

The only approved first fill DCTF specifically developed for ZF/ Porsche Double Clutch Transmission with wet clutch. Provides optimized friction properties and best load carrying capacity even under hard conditions over the lifetime of the car. Features a special clutch friction performance which makes it mandatory to be applied solely to the double clutch gear box — do not mix with any other gear oils.

MADE IN GERMANY

### APPLICATED FOR

- |  |  |
|--|--|
| • <b>Porsche PDK 8-speed Trans.</b><br>(2017+) Part # 000-043-210-44 | • <b>Porsche Taycan</b> (2020+)<br>Electric axle fluid |
|--|--|



## PENTOSIN CVT1

### Multi-Purpose Fluid for Modern Continuously Variable Transmissions

1 liter / 1.06 US quarts **Part# 1120107**

**Color: Light Brown**

Fully synthetic high performance fluid for application in continuously variable automatic gear boxes. Fully mixable and compatible with other high-quality CVT fluids. Formulated by means of the best commercially available synthetic base oils and additive components offering the highest levels in thermal and oxidative stability. Modern additive technology, high shear stability, and excellent defoaming properties enables a high wear resistance and ideal friction performance for both CVT belt and CVT chain.

MADE IN GERMANY

### APPLICATED FOR

- |  |                             |                                      |
|--|-----------------------------|--------------------------------------|
| • <b>Audi</b> (2002-2012)              | • <b>Dodge</b> (2007-2010)  | • <b>Ford Light Duty</b> (2005-2007) |
| • <b>Honda</b> (1996-2011)             | • <b>Jeep</b> (2007-2011)   | • <b>Mercedes-Benz</b> (2005-2007)   |
| • <b>Mercury</b> (2005-2007)           | • <b>MINI</b> (2002-2008)   | • <b>Mercedes-Benz</b> (2006-2011)   |
| • <b>Mitsubishi</b> (2008-2011)        | • <b>Nissan</b> (2003-2012) | • <b>Saturn</b> (2002-2005)          |
| • <b>Subaru</b> (1987-1994, 2010-2011) | • <b>Suzuki</b> (2010-2013) |                                      |



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