

PENTOSIN TECHNICAL FLUID GUIDE



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BRAKE FLUID HYDRAULIC 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 PREDILUTED Antifreeze w/ Phosphates

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

Part# 8115213

3.79 liters / 1 US gallon (Canada only)

Part# 8115214

(Cundud Ciny)

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 (1990-04)	· Scion (2004+)	· Toyota (1985-04)



PENTOFROST A2

50/50 H-OAT Extended Life PREDILUTED 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 evhicle cooling systems. Mixable with all phosphate OATs. Meets ASTM D-3306.

MADE IN USA

APPLICATED FOR - Genesis (2017+) - Suzuki (1995-08) - Subaru (1990-08) - Infiniti (1990-08) - Hyundai (1990+) - Mitsubishi Lancer, Mirage, - Mazda (1990+, ex. 2006) - Kia (1990+) - Outlander, Ranger, RVR - Nissan (1990-08) - Mitsubishi (1990+) - (Up to 2011)

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 PREDILUTED Antifreeze w/ Phosphates

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

Part# 8115207

3.79 liters / 1 US gallon

Part# 8115208

(Canada only)

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	
A (4000 .)	H1- (4000.)	Miles I California and Miles de
· Acura (1990+)	· Honda (1990+)	· Mitsubishi Lancer, Mirage,
· Mazda (2006+)	· Mitsubishi Raider (2006+)	Outlander, Ranger, RVR
· Nissan (2009+)	· Subaru (2009+)	(2011+)
· Scion FR-S (2013+)	· Toyota 86 (2017-)	· Toyota Yaris (2019+)
· Suzuki (1995-08)	· Infiniti (2009+)	



PENTOFROST A4

50/50 H-OAT Extended Life PREDILUTED Antifreeze w/ Phosphates

3.79 liters / 1 US gallon Part# 8115209 (US/Mexico only)

3.79 liters / 1 US gallon Part# 8115210 (Canada only)

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 FO	R
· 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 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	Part# 8114206

(Canada only)

Color: Violet

Antifreeze CONCENTRATE for multipurpose applications in water-cooled engines. Delivers exceptional performance while utilizing an eco-friendly manufacturing process — now using glycerin in addition to the glycol base. Free from nitrites, amines, and phosphorous containing additives. Year-round protection for all cooling system materials, including nonferrous metals. Can be used where the VW G12++, G13, and MB G40 are required. Meets ASTM D-3306.

APPLICATED FOR

· Audi (2006+) Spec. TL 774 G	· Mercedes-Benz G40 (2014+)
- Bentley	· Porsche (2006+)
· Freightliner Sprinter (2019+)	· Smart (2016-18)
· Lamborghini	· Volkswagen (2006+) Spec. TL 774 G



PENTOFROST E 50/50

50/50 H-OAT PREDILUTED Antifreeze

3.79 liters / 1 US gallon (US/Mexico only)	Part# 8114306
3.79 liters / 1 US gallon (Canada only)	Part# 8114309

Color: Violet

PREDILUTED antifreeze for multipurpose applications in water-cooled engines. Delivers exceptional performance while utilizing an eco-friendly manufacturing process. Free from nitrites, amines, and phosphorous containing additives. Year-round protection for all cooling system materials, including non-ferrous metals. Can be used where the VW G12++, G13, and MB G40 are required. Meets ASTM D-3306.

MADE IN USA

APPLICATED FOR

· Audi (2006+) Spec. TL 774 G	· Mercedes-Benz G40 (2014+)
- Bentley	· Porsche (2006+)
· Freightliner Sprinter (2019+)	· Smart (2016-18)
· Lamborghini	 Volkswagen (2006+) Spec. TL 774 G

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 Must add water

1.5 liters / 1.59 US quarts (US/Mexico only)	Part# 8114107
1.5 liters / 1.59 US quarts	Part# 8114127

Color: Pink

Antifreeze CONCENTRATE for multipurpose applications in watercooled engines. Free from nitrites, amines, phosphorous additives, or silicates. Recommended for non-ferrous metals and year-round use. Can be used where the VW G12, G12+, and MB G40 are required. Meets ASTM D-3306.

MADE IN GERMANY

APPLICATED FOR		
· Audi (6/1996-05) Spec. TL 744 F	· Land Rover Other Models (1993+)	
· Infiniti QX30 (2017-19)	· Porsche Boxster, 911, Camera GT,	
· Jaguar (1997+)	Cayman, Cayenne (1996-05)	
· Land Rover Range Rover (2006+)	· Saab (2001+)	
· Land Rover Freelander, Discovery,	· Volkswagen (6/1996-05) Spec. TL 744 F	
Defender (1998+)		



PENTOFROST SF 50/50

50/50 H-OAT PREDILUTED Antifreeze

3.79 liters / 1 US gallon	Part# 8114307
(US/Mexico only)	

3.79 liters / 1 US gallon Part# 8114310 (Canada only)

Color: Pink

PREDILUTED antifreeze for multipurpose applications in water-cooled engines. Free from nitrites, amines, phosphorous additives, or silicates. Recommended for non-ferrous metals and year-round use. Can be used where the VW G12, G12+, and MB G40 are required. Meets ASTM D-3306.

MADE IN USA

APPLICATED FOR

 Audi (6/1996-05) Spec. TL 744 F 	Land Rover Other Models (1993+)
· Infiniti QX30 (2017-19)	Porsche Boxster, 911, Camera GT,
· Jaguar (1997+)	Cayman, Cayenne (1996-05)
· Land Rover Range Rover (2006+)	· Saab (2001+)
· Land Rover Freelander, Discovery,	· Volkswagen (6/1996-05) Spec. TL 744 F
Defender (1998+)	



ANTIFREEZE

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



PENTOFROST NF

Antifreeze CONCENTRATE w/ Silicates Must add water

1.5 liters / 1.59 US quarts

Part# 8114117

(US/Mexico only)

Part# 8114137

1.5 liters / 1.59 US quarts (Canada only)

Color: Blue

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. Can be used where the VW G11 and MB G48 are required. Meets ASTM D-3306.

MADE IN GERMANY

APPLICATED FOR

• Audi (Up to 6/1996)	· Rolls-Royce (1996-16)
- BMW/MINI (Up to 2018)	· Saab (Up to 2000)
Dodge Sprinter (2003-09)	· Smart (2008-15)
· Jaguar (Up to 1997)	· Tesla (2008+)
· Land Rover/Range Rover (1990-05)	· Volkswagen (Up to 6/1996)
Mercedes-Renz/Sprinter (All Years)	· Volvo (All Years)





PENTOFROST NF 50/50

50/50 PREDILUTED Antifreeze

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

Part# 8114308

3.79 liters / 1 US gallon

Part# 8114311

(Canada only)

Color: Blue

PREDILUTED antifreeze for multipurpose applications in watercooled engines. Free from nitrites, amines, and phosphorous additives. Recommended for non-ferrous metals and year-round use. Can be used where the VW G11 and MB G48 are required. Meets ASTM D-3306.

MADE IN USA ENGINEERED IN GERMAN

APPLICATED FOR

· Audi (Up to 6/1996)	· Rolls-Royce (1996-16)
· BMW/MINI (Up to 2018)	· Saab (Up to 2000)
· Dodge Sprinter (2003-09)	· Smart (2008-15)
· Jaguar (Up to 1997)	· Tesla (2008+)
· Land Rover/Range Rover (1990-05)	· Volkswagen (Up to 6/1996)
· Mercedes-Benz/Sprinter (All Years)	· Volvo (All Years)
· Porsche 924, 928, 244, 968 (All Years)	

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 DOT 5.1



Low Viscosity/Cold Conditions Brake Fluid

Color: Amber

Ultra high-performance brake fluid designed for hydraulic brake systems and clutch actuation in passenger cars, trucks, and motorcycles. Delivers exceptional cold-temperature performance and safeguards against vapor lock. 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 LV and lower DOTs. EV READY for all electric vehicles with hydraulic brake/clutch and ABS DSC systems.

	MADE IN GERMANY		
APPLIC	APPLICATED FOR		
· Audi (2006+)	· Land Rover / Range Rover (2007+)		
· Audi e-trons	· Land Rover LR2, LR3, LR4 (All years)		
· BMW (7/2006+)	· Lincoln (2013+)		
BMW ActiveHybrid	· MINI (All years)		
· Chevrolet Volt, Bolt EV, Malibu Hybrid, · Porsche (2017+)			
Tahoe Hybrid	· Range Rover Evoque, Sport (All years)		
· Ford (2013+)	· Saab (All years)		
• Ford Mustang Mach-E, Explorer Hybrid	· Volkswagen (2006+)		
· GMC Yukon Hybrid	· Volvo (2017+)		
· Jaguar (2003+)			





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 brake fluid for universal use in modern brake systems, ideal for vehicles with ABS systems. Provides safety against vapor lock and has excellent resistance to absorbing and retaining water, offering superior corrosion resistance.

MADE IN GERMANY

APPLICATED FOR		
• Audi (Up to 2005)	Mercedes-Benz (All years)	
- BMW (Up to 6/2006)	· Porsche (All years)	
Dodge Sprinter (2003-09)	· Smart (2005-17)	
· Freightliner Sprinter (2002-17)	· Volkswagen (Up to 2005)	
· Jaguar (1993-02)	· Volvo (1990-17)	
· Land Rover (1987-06)		

ADDITIONATED FOR



PENTOSIN DOT 4 LV

Low Viscosity/Class 6/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 Class 6 performance levels with extremely low viscosity at cold temperatures. Excellent resistance to absorbing and retaining water and provides superior corrosion resistance. Ideal for modern vehicles with ESP and ABS, and can be used in all vehicles that require DOT 4 fluid.

MADE IN GERMANY

APPLICATED FOR		
• MINI (All years)		
• Porsche (2017+)		
Range Rover Evoque, Sport (All years)		
· Saab (All years)		
· Volkswagen (2006+)		
· Volvo (2017+)		
· Lincoln (2013+)		

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

OE-manufactured synthetic high-performance hydraulic fluid designed for lifetime use in modern vehicle systems. 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 (1990-05)	 MINI Cooper (2002-08) 	
· BMW (1990-19)	· Porsche (1990-05)	
· Chrysler Crossfire (2004-08)	Chrysler Crossfire (2004-08) • RAM Promaster (2014+)	
• Dodge (2011-15) • Range Rover Evoque (2014-15)		
· Jaguar (1997-11)	• Rolls-Royce (2004-)	
· Jeep (2011-15)	· Volkswagen (1990-05)	
· Land Rover Discovery (2015)	· Volvo (3/1998-02)	
· Mercedes-Benz (Various)		





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

Color: Dark Green

OE-manufactured synthetic high-performance hydraulic fluid designed for lifetime use in modern vehicle systems. 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. EV READY for hybrid and electric vehicles.

		MADE IN GERMANY
	APPLICATED FOR	
· Audi (2006+)	· Land Rover LR2	· Saab (2006+)
· Hyundai Genesis/Equus	(2008-15)	· Volkswagen (2006+)
(2009-16)	· Porsche 911 (2012-19),	· Volvo (2002+)
· Jaguar (2013-17)	Cayenne (2016-19),	
· Kia K900 (2015-17)	Panamera (2010-16)	



PENTOFLUID EHF

Synthetic Oil-Based Hydraulic Fluid

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+)	· Kia K900 (2015-17)	· RAM Promaster (2014+)
· BMW (1990-19)	Land Rover Discovery	· Range Rover Evoque
· Chrysler Crossfire	(2015), LR2 (2008-15)	(2014-15)
(2004-08)	· Mercedes-Benz	· Rolls-Royce (2004-)
· Dodge (2011-15)	· MINI Cooper (2002-08)	· Saab (2006+)
· Hyundai Genesis/Equus	· Porsche (1990-05), 911	· Volkswagen (1990+)
(2009-16)	(2012-19), Cayenne	· Volvo (3/1998+)
· laguar (1997-17)	(2016-19) Panamera	

(2010-16)

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

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 502.00/505.00¹	· Jaguar (1997-09) ²	· SMART MB229.51
• BMW LL-01 ¹	• Land Rover (All years) ²	· Volkswagen
· Chrysler MS-107251	· Mercedes-Benz MB229.51	502.00/505.00 ¹
· Dodge/Freightliner	· MINI LL-01¹	· Volvo (1992-12) ²
Sprinter MB229.51	• Saab (1992-05) ²	



PENTO HP II 5W-40

Fully Synthetic Four-Season Engine Oil

Color: Amber & Clear

Specifications Met: API SN, ACEA C3

Premium performance engine oil offering the highest performance across the full operating temperature range, from cold start to high-temperature operation. Its unique lubrication properties offer significant benefits in highly loaded engines, especially in the latest downsized engines with or without stop-start systems. Reduced SAPS content protects and enhances the durability of exhaust aftertreatment systems.

		MADE IN GERMANI
	APPLICATED FOR	
· Audi/Volkswagen	· Jaguar (All years) ³	• Porsche C401
505.00/505.01/511.0 ¹	· Land Rover (All years)3	· Saab (All years)3
· BMW LL-04¹	· Mercedes-Benz MB	· SMART MB229.511
· Chrysler MS-10725 ¹	226.5/229.31/	· Volvo (All years)3
· Ford WSS-M2C917-A1	229.51/229.52 ¹	

¹ Applies to models of make indicated where specified motor oil approval is required.

· Jeep (2011-15)

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

³ 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

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. EV READY for hybrid and electric vehicles.

MADE IN GERMANY **APPLICATED FOR** - Audi 504.00/507.001 · Ford WSS-M2C917-A1 · Saab (All years)2 · SMART MB229.51/.521 - BMW LL-041 · Jaguar (1997-10)2 · Land Rover (1993-12)2 · Chrysler MS-111061 · Volkswagen 504.00/507.001 Dodge/Freightliner · Mercedes-Benz · Volvo (1994-12)2 Sprinter MB229.51/.521 MB229.51/.521 · MINI LL-04¹ · Fiat 9.55535-S31



PENTOSPEED SP 5W-40

Fully Synthetic Extended Life Engine Oil

Color: Amber

Specifications Met: API SN, ACEA A3/B4

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 502.00/505.00¹	Mercedes-Benz	· SMART MB229.51
· BMW LL-01 ¹	MB226.5/MB229.51	 Volkswagen
· Dodge/Freightliner	· MINI LL-011	502.00/505.00 ¹
Sprinter MB226.5/	· Porsche A401	
MB229.5 ¹	· Saab (1992-05)3	

¹ Applies to models of make indicated where specified motor oil approval is required.

Applies to all models of make indicated where 5W-30 is required.
 Applies to all models of make indicated where 5W-40 is required.

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MOTOR OIL



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

Understanding Approvals, Recommendations, and Specifications

APPROVALS

Definition: Highest level of endorsement. Confirmed by a carmaker through official testing. Required for maintaining warranties and ensuring compliance with manufacturer specifications.

Purpose: Ensure compliance and compatibility with specific vehicle requirements.

SPECIFICATIONS

Definition: Technical criteria a product must meet. Defines performance standards like viscosity, chemical makeup, and durability. Often required to achieve OEM approval

Purpose: Define performance and quality standards that support OEM approvals.

Examples: ACEA C3

RECOMMENDATIONS

Definition: Suitable for use based on testing, even without official carmaker approval. Often used when approvals are not available but the product meets necessary technical standards.

Purpose: Provide guidance on products when OEM approvals are not available.

Examples: Porsche C30, API SN





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. EV READY for hybrid and electric vehicles.

		MADE IN GERMANY
	APPLICATED FOR	
• Audi/VW 505.00/505.01 ¹	• GM GM-LL-A-025/	· RAM Promaster
· BMW LL-04 ¹	GM-LL-GB-025 ¹	(2014-18) ²
· Chrysler MS-111061	· Jeep Grand Cherokee	· Saab (All years) ²
· Dodge/Freightliner	(2007-09) ²	· SMART MB229.511
Sprinter MB229.51/.52/.31 ¹	· Mercedes-Benz	· Volvo (1994-12) ²
· GMC (2016-21) ²	MB229.51/.52/.31 ¹	



Applies to models of make indicated where specified motor oil approval is required. Applies to all models of make indicated where 5W-30 is required.

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MOTOR OIL

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



PENTOSPEED FE OW-20 READY

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 with state-of-the-art additive technology, allowing improved aging stability in high-speed driving and high-temperature environments. Reduces fuel consumption by up to 3.6% and lowers CO, emissions. Protects against Low-Speed Pre-Ignition (LSPI) and offers outstanding wear protection in all operating conditions. EV READY for hybrid and electric vehicles.

MADE IN GERMANY

	APPLICATED FOR	
• BMW/MINI LL-17 FE+1	· Chevrolet (2019+) ²	· Jaguar/Land Rover
• Buick (2018+) ²	• Fiat 9.55535-GSX1	STJLR.03.50061
· Cadillac (2019+) ²	· GMC (2018+) ²	· Mercedes-Benz
· Chrysler Pacifica	· Infiniti Q50 (2019)	MB229.71/.72 ¹
(2018-19) MS-12145 ¹	· Ford/Lincoln WSS-M2C947-A1	· Toyota GR Supra (2020+)



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 the new Volvo VEA generation of gasoline and diesel engines. Unique formulation offers superior wear protection and performance reserves. Excellent in cold start conditions, with reduced CO, emissions and lower fuel consumption. Significant improvements in fuel economy and CO₂ emissions achieved by lowering dynamic viscosity and utilizing advanced additive technology.

MADE IN GERMANY

APPLICATED FOR

Volvo 4 Cyl. 2.0L 502.00/505.00

Applies to models of make indicated where specified motor oil approval is required.

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



MOTOR OIL

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

PENTOSPEED D1 GEN3 0W-20

Ultra-High Performance Synthetic Engine Oil

1 liter / 1.06 US quarts Part# 8044210

Color: Amber

5 liters / 1.32 US gallons

Specifications Met: dexos1™ - Gen3, API SP RC, SN Plus RC, ILSAC GF-6A

Part# 8044212

Ultra-high performance fully synthetic motor oil designed for maximum fuel efficiency and engine protection. Protects against Low-Speed Pre-Ignition (LSPI) for improved vehicle performance. Superior wear resistance under high loads for longer engine life and optimal performance. Reduces deposits in engines and turbochargers, lowering maintenance costs and improving system reliability. Low evaporative loss minimizes oil consumption. Excellent cold-start performance and reduced exhaust emissions for improved environmental impact.

		MADE IN GERMANY
	APPLICATED FOR	R
- Acure (2011)	- Ford (2019)	- Marda (2011 I.)
· Acura (2011+)	· Ford (2018+)	• Mazda (2011+)
• Buick (2018+)	· GMC (2014+)	· Mitsubishi (2011-23)
· Cadillac (2019+)	· Honda (2011+)	· Nissan (2007-24)
· Chevrolet (2014+)	· Infiniti (2015+)	· RAM (2016+)
• Chrysler (2015+)	· Jeep (2014+)	· Scion (2008-15)
· Dodge (2013+)	· Lexus (2011+)	· Subaru (2011+)
· Fiat (2016-18)	· Lincoln (2017+)	· Toyota (2007+)





MOTOR OIL



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

PENTOSPEED D1 GEN3 5W-30



Ultra-High Performance Synthetic Engine Oil

Color: Amber

Specifications Met: dexos1™ - Gen3, API SP RC, SN Plus RC, ILSAC GF-6A

Ultra-high performance, fully synthetic motor oil designed for extreme fuel economy. Developed to prevent Low-Speed Pre-Ignition (LSPI) for improved reliability in modern gasoline engines. Provides exceptional wear resistance under high loads, ensuring extended engine life and peak performance. Minimizes deposits in engines and turbochargers, enhancing operational reliability and lowering maintenance costs. Low evaporative loss reduces oil consumption, while optimized cold-start performance and reduced exhaust emissions improve overall efficiency. EV Ready for hybrid and electric vehicles.

		MADE IN GERMANY
	APPLICATED FOR	
· Buick (2004+)	· Hummer (2006-10)	· Nissan (2004+)
	<u> </u>	<u></u>
• Cadillac (2004+)	• Infiniti (2004-22)	• Pontiac (2004-10)
• Chevrolet (2004+)	· Jeep (2005+)	• RAM (2011-16)
· Chrysler (2005-12)	· Lexus (2004+)	· Saab (2005-11)
· Dodge (2005+)	· Lincoln (2011+)	· Scion (2004-07)
• Fiat (2012-17)	· Mazda (2004+)	· Subaru (2004-21)
• Ford (2000+)	 Mercury (2004-10) 	· Toyota (2004-18)
· GMC (2006+)	 Mitsubishi (2010-15) 	 Volkswagen (2011-14)





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

PENTO EDF-2

TESLA Transmission Cooling Fluid

1 liter / 1.06 US quarts Part# 1100117

5 liters / 1.32 US gallons Part# 1100216

Color: Amber

Premium Performance electric driveline fluid for directly cooled E-motors. It provides heavily increased efficiency compared to current market products. Pento EDF-2 is used in the WET e-axles in modern TESLA vehicles. EDF-2 works in the gear mechanism to cool, clean, reduce friction, and optimize efficiency. It is also used as a cooling fluid in the fluid circuit interconnected with the E-motor.

MADE IN GERMANY

APPLICATED FOR

• TESLA Model 3 (2018+), Model Y (2020+), Model S (2022+), Model X (2022+) Spec. EDF-2/KAF1



TRANSMISSION FLUID

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



PENTOSIN ATF 6

Long-Life Fully Synthetic ATF

Color: Amber & Clear

Specifications Met: MB236.11, ZF TE-ML 04D, 11B, 14B, 17C (ZF000734)

Fully synthetic, high performance automatic transmission fluid developed with reduced viscosity to optimize the performance of specified 6-speed ZF automatic transmissions. Offers superior friction control, excellent durability, and oxidation resistance, ensuring long-lasting oil life and consistent performance. Backwards compatible with all ATF 5 applications.

	MADE IN GERMAN

APPLICATED FOR			
Alfa Damas (2000 04)3	Land Davier (Daniel Barrer	Parasha (1000 02)4	
• Alfa Romeo (2000-04) ³	· Land Rover/Range Rover	• Porsche (1990-03) ⁴ ,	
 Aston Martin (2000-04)⁴ 	(2003-05) ¹ , (2005-13) ³	(2004-08)3	
· Audi (1988-06)1, AQ	 Maserati (2007-19)³ 	· Rolls-Royce Phantom	
(2004-07), \$6 (2007-11),	 Mercedes-Benz (1990-96), 	(2004-12), Silver Seraph	
\$8 (2007-09) G055005A2	ML350 (2003-05)1, V-Class	(1999-02)	
- BMW (1992-06) ¹ , (2002-15) ²	3 (1996-03) ²	· Volkswagen (1990-06)	
· Jaguar (1995-03)1,	· Peugeot 405/505	G052162A24	
(2003-15) ³	(1990-91)		



PENTOSIN ATF 8



Long-Life Fully Synthetic ATF

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. EV READY for hybrid and electric vehicles.

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ALL ELOALED LOIL			
· Bentley JNV 862 564 D	• Fiat 9.55550-AV5	· Volkswagen G 055 162,	
· BMW 83 22 2 152 426/	· Jaguar 02JDE 26444	G 060 162	
83 22 2 289 720 (ATF 3+)/	· Land Rover LR023288	· ZF S671 090 312	
83 22 2 305 397 (ATF 3)	· Mercedes-Benz MB		
· Chrysler 68157995AA	236.82		

APPLICATED FOR

Applies to ZF5HP models of make indicated.

² Applies to ZF4HP models of make indicated

Applies to ZF6HP models of make indicated.
 Applies to ZF5HP and ZF6HP models of make indicated.

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



PENTOSIN ATF 9



Long-Life Fully Synthetic ATF

Color: Green

Specifications Met: Honda ATF Type 3.1, ZF AA01.500.001

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. EV READY for hybrid and electric vehicles.

MADE IN GERMANY

APPLICATED FOR

· Acura MDX/TLX (2016+)¹	· Jaguar E-Pace (2018+)¹
· Honda Odyssey/Passport/Pilot (2016+)1	· Land Rover (2014+)1



PENTOSIN ATF 44

Long-Life Fully Synthetic ATF

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	Special/ATF HP
(ATF +3/+4)	· JATCO 3100 PL085/FWD	· Suzuki ATF 3309/3317
· Daihatsu Alumix ATF Multi	(N402)/JF506E (K17)	• Toyota Type
· Fiat 9.55550-AV1/AV4	· JWS 3309/Type T-IV	D-2/T/T-II/T-III/T-IV
Ford MERCON V	• Mazda ATF D-III/ATF M-3	· Volkswagen G 052 990/
· Ford M2C924-A/M2C922-A1	· Mitsubishi SP-II/-III	G 055 025

TRANSMISSION FLUID

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

PENTOSIN ATF 64



21

Long-Life Fully Synthetic ATF

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. EV READY for hybrid and electric vehicles.

		MADE IN GERMANY
APPL	ICATED FOR	
· Aisin Warner/AW-1	Ford MERCON LV	· Toyota Type WS
- BMW 81 22 9 400 272/81 22 9 400 275/	· GM 9256039/88863400	· TESLA Model S
81 22 9 407 738/83 22 0 397 114/	· Honda DW-1	(2012-21), Model X
83 22 0 403 248/83 22 0 403 249/	· Hyundai NWS 9638/	(2016-21), Roadster
83 22 0 432 807/83 22 2 163 514/	SP-IV/SP-IV M/SP-IV RR	(2009-12)
83 22 2 167 718/83 22 2 167 720/	· JWS 3324	Spec. SK-ATF-9
83 22 2 355 599/83 22 2 355 601/	· Kia SP-IV	· Volkswagen
83 22 9 407 858/83 22 9 407 859	· Mitsubishi ATF-J3/	G 055 540 A2
- DEXRON VI	ATF-PA/MA1	· ZFTE-ML 09
• Fiat 9.55550-AV2/-AV6	Nissan MATIC S	



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



PENTOSIN ATF 84

Long-Life Fully Synthetic ATF

Color: Red

Specifications Met: Asian Vehicles JASO M315 Type 1A-LV. GM Dexron ULV. Ford Mercon ULV

Fully synthetic, low-viscosity automatic transmission fluid designed for modern Japanese and American transmissions, delivering performance and fuel efficiency. Meets stringent DEXRON-ULV and MERCON-ULV specifications. Provides outstanding anti-shudder performance and reliable friction control, backed by nearly 1,000,000 kilometers of real-world testing. Developed using selected base oil stocks, combined with specially formulated performance additive technology.

MADE IN GERMANY



PENTOSIN ATF 134

Ultra High-Performance ATF

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

TRANSMISSION FLUID

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



PENTOSIN ATF 134 FE

Premium Performance, Low Viscosity ATF

Color: Blue

Premium performance automatic transmission fluid developed to further optimize garbox 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

PENTOSIN ATF 134 FE PLUS





Premium Performance, Low Viscosity ATF

Color: Amber & Clear

Premium performance automatic transmission fluid with reduced viscosity, specially 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. EV READY for hybrid and electric vehicles.

MADE IN GERMANY

APPLICATED FOR

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

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



PENTOSIN FFL-2



Fully Synthetic Double Clutch (DSG) Transmission Fluid

Color: Amber & Clear

The only approved first fill and service fill transmission fluid for the new generation of AVW double clutch gear transmissions (DSG). Fully synthetic base oil technology ensures safe operation at even the highest thermal load. Special clutch friction performance mandates exclusive use in double clutch gearboxes—do not mix with any other gear oils. EV READY for hybrid and electric vehicles.

MADE IN GERMANY

APPLICATED FOR

 ⋅ Audi DSG Trans. (2004+)
 ⋅ Volkswagen DSG Trans. (2004+)

 Spec. TI521.82/G052182A2
 Spec. TI521.82/G052182A2

PENTOSIN DSG TRANSMISSION FLUID SERVICE KIT

Kit Contents: Pentosin FFL-2 (5L), Rein OE Filter, Rein Drain Plug Washer

Complete solution kit designed specifically for Audi/Volkswagen double-clutch gear transmission (DSG) fluid service with all OEM components from two CRP brands — Pentosin, the ONLY approved FIRST FILL supplier on the AVW DSG Transmissions requiring FFL-2 fluid, and Rein Automotive.

PART# 8038207-KIT



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

Color: Amber & Clear

Specifications Met: Spec. MB236.24, ZF TE-ML. 11 (ZF004825)

The only approved first fill and service fill transmission fluid for the new generation of Porsche double clutch gear transmissions (PDK). Fully synthetic base oil technology ensures safe operation at even the highest thermal load. Special clutch friction performance mandates exclusive use in double clutch gearboxes—do not mix with any other gear oils. Can be used where BMW MTF-LT-5 manual transmission fluid is specified. EV READY for hybrid and electric vehicles.

MADE IN GERMANY

APPLICATED FOR

• BMW Manual Trans. (2011+) MTF-LT-5 • Porsche PDK Trans. (2009-17)

Part# 000-043-7-29



PENTOSIN FFL-4

Fully Synthetic Double Clutch (DCT) Transmission Fluid

Color: Amber & Clear

Specifications Met: GETRAG (PWA05043)

The only approved first fill and service fill transmission fluid for new generation BMW double clutch gear transmissions (DCT). Fully synthetic base oil technology ensures safe operation at even the highest thermal load. Special clutch friction performance mandates exclusive use in double clutch gearboxes—do not mix with any other gear oils.

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	All I LIGALIED I GIL	
· Audi R8 (2014+), R5 (All	· Ford Fiesta (2011+), Focus	· MINI Cooper MT (2014+)
years), \$4 (2010+), \$5 3.0L	(2012+), Bronco MT/	· Mitsubishi Lancer 2.0L Turbo
(2010+), \$6/\$7 (2013+)	Mustang Shelby GT500	(2008+)
• BMW DCT Trans. M3 (2008+),	7-speed DCT (2021+)	· Porsche Macan (2015)
M5/M6 (2012+), Z4	· Hyundai Genesis Coupe	· Volvo S60 (2011), S80
(2009+), 135i/335is (2011+)	(2010-16)	(2010-11), V70/XC60/XC70
· Corvette C8 Stingray 8-speed	· Mercedes-Benz CLA250/45	(2010)
DCT (2020+)	AMG (2014+), GLA250/45	
· Ferrari (2009+)	(2015), SLS AMG (2011+)	

APPLICATED FOR

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

Color: Amber & Clear

Specifications Met: ZF TE-ML 11 (ZF004824)

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. Special clutch friction performance mandates exclusive use in double clutch gearboxes—do not mix with any other gear oils. EV READY for hybrid and electric vehicles.

MADE IN GERMANY

APPLICATED FOR

Porsche PDK 8-speed Trans. (2017+) Porsche Taycan (2020+)
Part # 000-043-210-44 Electric axle fluid



PENTOSIN FFL-7A



Fully Synthetic Double Clutch (DCT) Transmission Fluid

5 liters / 1.32 US gallons

Color: Amber

Specifications Met: MB Spec. MB239.21

Premium performance dual clutch transmission fluid (DCTF) specially developed for Magna GETRAG's third-generation double clutch transmissions with wet clutches. Compatible with GETRAG Transaxle models 7DCT300TUE, 7DCT400, and 7DCT300. EV READY for hybrid and electric vehicles.

MADE IN GERMANY

Part# 1060207

APPLICATED FOR

• BMW (2023+) • MINI (2020+)

· Mercedes-Benz MB 239.21

TRANSMISSION FLUID

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



PENTOSIN FFL-52529

Fully Synthetic Double Clutch (DCT) Transmission Fluid

1 liter / 1.06 US quarts Part# 1070107

Color: Amber & Clear

Specifications Met: Audi TL 52.529-C, Volkswagen TL 52.529-C

Premium performance dual clutch transmission fluid (DCTF) specially developed for the wet clutch of Volkswagen Group's DL382 (OCK) transmissions, primarily used in higher performance Volkswagen and Audi models. Provides ultimate friction stability and optimal fuel economy.

MADE IN GERMANY

APPLICATED FOR

• Audi (2017+) • Volkswagen (2019+)



PENTOSIN CVT1

Multi-Purpose Fluid for Modern Continuously Variable Transmissions

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.

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		WADE IN GERMAN
APPLICATED FOR		
· Audi (2002-12)	· Mercedes-Benz (2006-11)	· Saturn (2002-05)
· Dodge (2007-10)	· Mercury (2005-07)	· Subaru (1987-94,
• Ford Light Duty (2005-07)	· MINI (2002-08)	2010-11)
· Honda (1996-11)	· Mitsubishi (2008-11)	· Suzuki (2010-13)
· Jeep (2007-11)	· Nissan (2003-12)	



For detailed parts and application information, visit the CRP Online Catalog at www.showmetheparts.com/crp or scan the QR code.







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