



PENNZOIL PLATINUM[®] EUROPEAN FORMULA FULL SYNTHETIC MOTOR OILS

PENNZOIL PLATINUM[®] EUROPEAN FORMULA FULL SYNTHETIC motor oils are premium full synthetic engine oils that are formulated to meet the needs of European automobiles. PENNZOIL PLATINUM[®] EUROPEAN FORMULA FULL SYNTHETIC motor oil with superior Active Cleansing Agents* continuously attack potential and stubborn deposits to help keep the engine clean. PENNZOIL PLATINUM[®] EUROPEAN FORMULA FULL SYNTHETIC motor oil's ability to help clean up your engine helps maximize engine responsiveness. PENNZOIL PLATINUM[®] EUROPEAN FORMULA FULL SYNTHETIC motor oils are low volatility oils that provide excellent high-temperature and low-temperature protection.

APPLICATION

PENNZOIL PLATINUM[®] EUROPEAN FORMULA FULL SYNTHETIC MOTOR OIL SAE 5W-40 can be used in both passenger car and light duty diesel applications. It can be used for domestic vehicles where API SL or earlier API categories are recommended by the original equipment manufacturer (OEM).

PENNZOIL EUROPEAN FORMULA ULTRA FULL SYNTHETIC MOTOR OIL SAE 5W-30 can be used in both passenger car and light duty diesel applications. It can be used for domestic vehicle applications where API SL or earlier API categories are recommended by the OEM. It is suitable for the latest Mercedes, BMW and other gasoline applications and diesel applications without DPF systems.

PENNZOIL PLATINUM[®] EUROPEAN FORMULA FULL SYNTHETIC MOTOR OIL SAE 0W-30 can be used in passenger car service for vehicles requiring a SAE 0W-30 oil meeting GM LL-A025. It is designed for 2002 and later Saab/Opel/Vauxhall Vectra vehicles.

PENNZOIL PLATINUM[®] EUROPEAN ULTRA DIESEL FULL SYNTHETIC MOTOR OIL SAE 5W-30 is a premium synthetic engine oil that is formulated to meet the needs of advanced European automobiles. It is specifically formulated for the requirements of advanced diesel engines with Diesel Particulate Filter (DPF) emission systems installed. This oil is suitable for Mercedes diesel engines (including the latest 2008 DPF systems) and 2007 and earlier VW diesel and gasoline engines.

Refer to Specifications and Approvals table on next page for specific product approvals

FEATURES

- Superior Active Cleansing Agents (SAE 5W-30 oils and 0W-30)*
- Low volatility oil
- Engineered with our unique Adaptive Molecules[™] (European 0W-30 and Ultra 5W-30 only). These molecules are designed to:
 - Maintain viscosity control under high heat
 - Prevent viscosity loss due to shearing by reforming continuously
 - Withstand extreme pressures at critical points by clustering together, acting like microscopic shock absorbers to absorb the impact
- Full synthetic performance to resist oil breakdown and development of deposits
- Low Sulfated Ash, Phosphorus, Sulfur (SAPS) formulation for DPF equipped diesel engines (Ultra Diesel SAE 5W-30 product only)

* Superior active cleansing agents versus our conventional and synthetic blend motor oils SAE 5W-30's and 0W-30

BENEFITS

- Provides our ultimate clean
- Actively helps clean up and helps keep engines clean
- Provides our ultimate protection against high temperature breakdown and deposits
- Helps protect emissions systems
- Helps maximize engine responsiveness

Health & Safety

Guidance on Health and Safety are available on the appropriate Material Safety Data Sheet, which can be obtained from your Pennzoil® representative.

Protect the environment

Take used oil to an authorized collection point. Do not discharge into drains, soil or water

SPECIFICATIONS & APPROVALS
PENNZOIL PLATINUM[®] EUROPEAN FORMULA MOTOR OILS

	FULL SYNTHETIC MOTOR OIL SAE 0W-30	ULTRA FULL SYNTHETIC MOTOR OIL SAE 5W-30	ULTRA DIESEL FULL SYNTHETIC MOTOR OIL SAE 5W-30	FULL SYNTHETIC MOTOR OIL SAE 5W-40
API	SL/CF	SL/CF	SL/CF	SL/CF
ACEA	A5/B5-04	A3/B3/B4-04	C3, A3/B4-04	A3/B4-04, B3-98
BMW LL-98				X
BMW LL-01		X		
BMW LL-04			X	
GM LL-A025	X			
Mercedes-Benz 229.3				X
Mercedes-Benz 229.5		X		
Mercedes-Benz 229.51			X	
Porsche				X
Volkswagen 502.00		X	X	X
Volkswagen - Audi 503.01		X		
Volkswagen 505.00		X	X	X
Volkswagen 505.01			X	

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES
PENNZOIL PLATINUM[®] EUROPEAN FORMULA MOTOR OILS

TEST	METHOD	TYPICAL RESULTS			
		FULL SYNTHETIC MOTOR OIL	ULTRA FULL SYNTHETIC MOTOR OIL	ULTRA DIESEL FULL SYNTHETIC MOTOR OIL	FULL SYNTHETIC MOTOR OIL
SAE grade		0W-30	5W-30	5W-30	5W-40
API Service		SL/CF	SL/CF	SL/CF	SL/CF
ACEA Service		A5/B5-04	A3/B3/B4-04	C3, A3/B3/B4-04	A3/B4-04, B3-98
Gravity, °API	ASTM D-287	35.4	34.6	33.4	35.8
Viscosity					
@ 40°C, cSt	ASTM D-445	53.4	64.7	67.1	90.5
@ 100°C, cSt	ASTM D-445	9.9	11.7	12.0	14.5
Viscosity Index	ASTM D-2270	173	173	178	178
Flash Point, °C	ASTM D-92	228	227	230	226
Pour Point, °C	ASTM D-97	-51	-39	-39	-39
CCS Viscosity, cP (°C)	ASTM D-5293	<6,200 (-35)	6,580 (-30)	6,600 (-30)	6,200(-30)
MRV Viscosity, cP (°C)	ASTM D-4684		44,000 (-35)	44,000 (-35)	36,000(-35)
HT/HS Viscosity, cP	ASTM D-4683		3.5	3.5	3.9
Noack Volatility, %	ASTM D-5800	<10	9.3	<10	11
Material Number					
6/1 Quart					5063687
55 gallon drum		5073474	5063827	5072688	

These characteristics are typical. While future production will conform to Pennzoil's specifications, variations in these characteristics may occur. The information contained herein is subject to change without notification.