

PENNZOIL PLATINUM[®] 0W-16 FULL SYNTHETIC MOTOR OIL - MADE FROM NATURAL GAS

TECHNICAL DATA SHEET



Pennzoil Platinum[®] with PurePlus[™] Technology is a first of its kind full synthetic motor oil made from natural gas and designed for COMPLETE PROTECTION. Redesigned for modern turbocharged engines – API SN PLUS Ready.

PERFORMANCE, FEATURES & BENEFITS

PurePlus[™] Technology is our patented, revolutionary gas-to-liquid process which converts natural gas into a first-of-its-kind extremely high quality full synthetic base oil. Because our base oil is made from natural gas, it is crystal clear with fewer of the impurities found in crude oil, the start for many other traditional & synthetic motor oils.

From that pure, clear base we add our high performance additives to create Pennzoil Platinum with PurePlus[™] Technology, motor oil designed for COMPLETE PROTECTION, without compromise.

PurePlus Technology was designed to deliver base oils with performance required to blend modern 0W grade motor oils and is ideally suited to blend the new 0W-16 product grade delivering the required lower viscosity along with low oil volatility. Low viscosity realizes the fuel economy benefits inherent within the 0W-16 specification whereas low oil volatility is necessary in controlling oil consumption over the oil drain and maintaining long term engine cleanliness.

As 0W-16 products are of lower viscosity than typical motor oils to date, a new fuel economy test, the Sequence VIF test, was developed by the Industry to measure improved fuel economy potential of 0W-16 grade oils.

Modern turbocharged direct injection (TDGI) engines are prone to a condition known as Low Speed Pre-Ignition (LSPI), Pennzoil Platinum[®] 0W-16 with PurePlus[™] Technology protects against this issue and passes the newly developed industry standard LSPI test known as the Sequence IX test.

Modern vehicles often utilize an automated stop-start system to enable further fuel saving by minimizing the fuel consumed during idling at stop. Pennzoil Platinum[®] 0W-16 with PurePlus[™] Technology has been designed to reduce stop-start wear and provides unsurpassed performance.

CLEANER PISTONS

Cleaner than required by the toughest industry standard.¹

BETTER FUEL ECONOMY

Exceeds the requirements of the new Sequence VIF test specifically designed to measure the fuel economy of 0W-16 grade motor oils.²

PROTECTS HORSEPOWER

Helps protect engines from loss of power.

UNSURPASSED WEAR PROTECTION

No other leading motor oil provides better protection against wear.³

EXCELLENT PERFORMANCE IN EXTREME TEMPERATURES

Provides faster low temperature oil flow and protects in extreme heat.

1 Compared to industry standard Sequence IIIH

2 Exceeds Sequence VIF fuel economy test

3 Compared to industry standard Sequence IVA

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PENNZOIL PLATINUM® OW-16 FULL SYNTHETIC MOTOR OIL - MADE FROM NATURAL GAS

MAIN APPLICATIONS

Pennzoil Platinum® OW-16 with PurePlus™ is recommended for use in all vehicles requiring the use of SAE OW-16 viscosity grade engine oils.

SAE OW-16 viscosity grade oils are commonly recommended for use in many new vehicles with modern engine technology for maximum fuel economy and performance.

SAE OW-16 may not be suitable for use in older engines. Consult your owner's manual for the correct viscosity grade and performance recommendation required for your vehicle.

TYPICAL PHYSICAL CHARACTERISTICS

Properties		Method	Pennzoil Platinum®
Viscosity Grade			OW-16
Service Category			SN-RC
ILSAC			N/A
ACEA			N/A
Density	kg/m ³	ASTM D4052	834
Flash Point	°C	ASTM D93	204
Pour Point	°C	ASTM D97	-51
Kinematic Viscosity	@ 40°C cSt	ASTM D445	35.6
Kinematic Viscosity	@ 100°C cSt	ASTM D445	7.1
Viscosity Index		ASTM D2270	166
CCS Viscosity	@-35°C cP	ASTM D5293	4 000
MRV Viscosity	@-40°C cP	ASTM D4684	9 100

These characteristics are typical of current production. While future production will conform to Pennzoil's® specification, variations in these characteristics may occur.

HEALTH, SAFETY & ENVIRONMENT

Health and Safety

Pennzoil Platinum® OW-16 Full Synthetic Motor Oil with PurePlus™ Technology is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

SPECIFICATIONS, APPROVALS & RECOMMENDATIONS

Exceeds the requirements of the following industry specifications:

- API SN-Resource Conserving and all previous Categories
- API SN PLUS Ready

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

To find the right Pennzoil® product for your vehicles and equipment, please consult www.pennzoil.com to look-up the right motor oil recommendation using our oil selector.

Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from <http://www.epc.shell.com>

Protect the Environment

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

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ADDITIONAL INFORMATION

Advice

Advice on applications not covered here may be obtained from your Shell or Shell Lubricants distributor representatives or Shell technical helpdesk.