

# PENNZOIL ULTRA PLATINUM™ 0W-20 FULL

SYNTHETIC MOTOR OIL WITH PUREPLUS™ TECHNOLOGY

## TECHNICAL DATA SHEET



Pennzoil Ultra Platinum™ with PurePlus™ Technology is a first of its kind full synthetic motor oil made from natural gas and designed for COMPLETE PROTECTION.

### 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 Ultra Platinum™ with PurePlus™ Technology, motor oil designed for COMPLETE PROTECTION, without compromise.

#### CLEANEST PISTONS

Keeps pistons up to 65% cleaner than required by the toughest industry standard.<sup>1</sup> Keeps your engine cleaner than any leading synthetic oil.<sup>2</sup>

#### BETTER FUEL ECONOMY

Drive on average an extra 550 miles per year vs. a dirty engine.<sup>3</sup>

#### PROTECTS HORSEPOWER

Helps protect engines from loss of power.

#### UNSURPASSED WEAR PROTECTION

No other leading motor oil provides better protection from friction.<sup>4</sup>

#### EXCELLENT PERFORMANCE IN EXTREME TEMPERATURES

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

1 Based on ILSAC GF-5 and Sequence IIIIG piston deposit test using SAE 5W-30.

2 Based on Sequence VG sludge test using SAE 5W-30. Pistons from standard V6 engine in ASTM Sequence IIIIG test.

3 Fuel economy measurements made using CAFÉ cycle under FTP75. Avg of 550 extra miles based on mixed city/highway miles and US avg of 13,476 miles driven per year with 4.1% better MPG vs dirty engine. Source fhwa.dot.gov,2011. Follow OEM recommended oil drain intervals.

4 Based on Sequence IVA wear test using SAE 5W-30.

### Main Applications

Pennzoil Ultra Platinum™ 0W-20 with PurePlus™ Technology is recommended for use in all vehicles requiring the use of SAE 0W-20 viscosity grade engine oils under all driving conditions.

SAE 0W-20 viscosity grade engine oils are commonly recommended for use in many new vehicles with modern engine technology for maximum fuel economy and performance.

Pennzoil Ultra Platinum™ with PurePlus™ Technology can be mixed with other synthetic and mineral oils and is recommended for use in all vehicle applications under all driving conditions.

SAE 0W-20 may not be suitable for use in older engines so always consult your owners manual for the correct viscosity grade and performance recommendation required for your vehicle.

# PENNZOIL ULTRA PLATINUM™ OW-20 FULL SYNTHETIC MOTOR OIL WITH PUREPLUS™ TECHNOLOGY

## Specifications, Approvals & Recommendations

- Chrysler MS-6395
- GM and dexos1™ (license GB1D1216014)
- Ford WSS-M2C947-A

Exceeds the requirements of the following industry specifications:

- API SN-RC and all previous categories.

- ILSAC GF-5
- ACEA A1/B1-10, A1/B1-12

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

To find the right Pennzoil® product for your vehicles and equipment, please consult [www.pennzoil.com](http://www.pennzoil.com) to look up the right motor oil recommendation using our oil selector.

## Typical Physical Characteristics

Properties		Method	Pennzoil Ultra Platinum™
SAE Viscosity Grade		SAE J300	OW-20
API Service Category			SN-RC
ILSAC			GF-5
ACEA			A1/B1-10/B1-12
density	g/cm <sup>3</sup>	ASTM D4052	0.839
Flash Point	°C	ASTM D93	224
Pour Point	°C	ASTM D97	-48
Kinematic Viscosity	@40°C cSt	ASTM D445	46.3
Kinematic Viscosity	@100°C cSt	ASTM D445	8.8
Viscosity Index		ASTM D2270	172
CCS Viscosity	@-35°C cP	ASTM D5293	5 670
MRV Viscosity	@-40°C cP	ASTM D4684	14 700

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 Ultra Platinum™ OW-20 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.

Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet (MSDS), which can be obtained from [www.epc.shell.com](http://www.epc.shell.com)

### Protect the Environment

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

### Additional Information

#### Advice

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