



## Technical Data Sheet

# PENNZOIL® PLATINUM™ FULL SYNTHETIC MOTOR OIL

## DESCRIPTION

Pennzoil® Platinum™ full synthetic engine oil with superior Active Cleansing Agents continuously attacks potential and stubborn deposits to help keep the engine clean. It also contains special protective additives for our superior engine protection that exceeds USA and European industry standards like ILSAC GF-5, API SN and ACEA performance. Pennzoil® Platinum™ is designed to provide our superior cleansing under the most severe driving style or conditions to maximize engine responsiveness.

## FEATURES & BENIFITS

- Superior Active Cleansing Agents.
- Keeps pistons 40% cleaner than the toughest Industry Standards<sup>1</sup>
- Cleans out engine sludge better than our conventional and synthetic blend oils<sup>2</sup>
- Better for severe driving conditions than our conventional or synthetic blend oils<sup>3</sup>
- No other leading full synthetic oil provides better wear protection<sup>4</sup>
- Backed by the Pennzoil lubrication limited warranty.
- Exceeds the most stringent car manufacturers requirements for cleanliness and protection<sup>5</sup>

<sup>1</sup> Based on ILSAC GF-5 and SEQ IIIG piston deposits using 5W-30.

<sup>2</sup> Based on severe sludge clean up test using 5W-30.

<sup>3</sup> Examples of severe driving conditions are stop-and-go driving, frequent short trips, extreme hot or cold temperatures, excessive idling, driving with heavy loads, driving in dusty conditions.

<sup>4</sup> Based on Sequence IVA wear test using 5W-30.

<sup>5</sup> Based on ILSAC GF-5, Ford, Chrysler and GM specifications.

## APPLICATIONS

Applications include:

SAE 0W-20 – Recommended in vehicles calling for SAE 0W-20 GF-5 or GF-4 motor oils (Toyota and Honda in particular) and some hybrid vehicle applications .

SAE 5W-20 – Many current and recent OEM recommendations including many 2001 and later Ford and Honda, and later Chrysler, Hyundai, Kia and Toyota applications.

SAE 5W-30 – Many of the remaining US and Japanese vehicle recommendations including General Motors, Suzuki, Subaru, and Nissan. Often recommended for vehicles with direct injection engines.

SAE 10W-30 – Several specialty and truck applications for different manufacturers. This was the predominant grade of oil in the mid-1990s and is still recommended for some higher temperature applications.

Always consult your owner's manual for the correct viscosity choice and specification grade of oil required. Viscosity recommendations often allow a range of viscosities based on local temperatures.

## **SPECIFICATIONS & APPROVALS**

Pennzoil® Platinum™ exceeds the requirements of the following industry specifications :

- North American warranty requirements for U.S., European and Japanese cars and light trucks with gasoline and gasoline turbo-charged engines where API SN and earlier API categories are specified (all grades).
- ILSAC GF-5 Resource Conserving performance standard (SAE 0W-20, SAE 5W-20, SAE 5W-30 & SAE 10W-30).
- Meets the most advanced emissions and fuel economy standards in the US gasoline powered engines.
- Meets Chrysler MS 6395 (SAE 5W-20, SAE 5W-30, SAE 10W-30) specification
- Meets Ford WSS M2C945-A (and prior WSS-M2C930-A) (SAE 5W-20) and WSS-M2C946-A (And prior WSS-M2C929-A) (SAE 5W-30) specifications
- Meets GM 6094M specification (SAE 5W-20, SAE 5W-30 and SAE 10W-30)
- Meets GM 4718M specification for Corvette and Cadillac (SAE 5W-30 and SAE 10W-30).
- Meets Honda/Acura HTO-06 specification for turbo-charged applications (SAE 5W-30)
- Meets demanding ACEA requirements

## TYPICAL PHYSICAL AND CHEMICAL PROPERTIES PENNZOIL® PLATINUM™ FULL SYNTHETIC MOTOR OIL

TEST	METHOD	TYPICAL RESULTS			
<b>Viscosity Grade.</b>		<b>0W-20</b>	<b>5W-20</b>	<b>5W-30</b>	<b>10W-30</b>
API Service		SN-RC	SN-RC	SN-RC	SN-RC
ILSAC		GF-5	GF-5	GF-5	GF-5
ACEA		A1/B1-08	A1/B1-08	A1/B1-08	A1/B1-08*
Gravity, °API	ASTM D-287	35.8	34.7	34.6	33.7
Specific Gravity @ 60°F(15.6°C)	ASTM D-287	0.846	0.851	0.852	0.857
Viscosity					
@ 40°C, cSt	ASTM D-445	42.8	45.34	55.2	61.7
@ 100°C, cSt	ASTM D-445	8.39	8.56	10.25	10.37
Viscosity Index	ASTM D-2270	175	169	177	157
Flash Point , °C	ASTM D-93	224	224	224	224
Pour Point, °C	ASTM D-97	-42	-42	-42	-39
MRV viscosity, cP (°C)	ASTD D-4684	20,800 (-40)	11,100 (-35)	13,300 (-35)	10,200 (-30)
CCS Viscosity, cP (°C )	ASTM D-5293	5,680 (-35)	3,860 (-30)	4,110 (-30)	3,920 (-25)
HT/HS Viscosity, cP	ASTM D-4683	2.6	2.6	3.0	3.1
Noack Volatility, %	ASTM D-5800	11.5	12.8	12.8	9.2

\*Meets engine protection requirements.