

# PENNZOIL ULTRA TURBO SEMI-SYNTHETIC MOTOR OIL

## PRODUCT DESCRIPTIONS

**PENNZOIL ULTRA TURBO MOTOR OIL** is a premium quality, semi-synthetic motor oil designed to exceed the lubrication requirements of modern gasoline, LPG and diesel engines in passenger cars and light commercial vehicles. It is formulated with a combination of high quality mineral oil and synthetic polyalphaolefin base stocks and advanced additive for the tough driving needs of engine used around the world.

**PENNZOIL ULTRA TURBO MOTOR OIL** offers drivers maximum high-temperature protection. Special oxidation inhibitors resist oil thickening caused by high temperatures in turbocharger bearings and in the ring belt area of pistons. Detergents and dispersants provide protection against deposits in the piston ring belt area and in the vial oil passageways inside the turbocharger, where deposit formation can reduce oil flow and cause turbocharger failure and compatible with catalytic converters.

**PENNZOIL ULTRA TURBO MOTOR OIL** used highly stable viscosity index improvers to deliver consistent viscosity control and high temperature-high shear protection. Piston ring deposits are minimized, assuring proper piston ring operation and low oil consumption. Antiwear agents protect metal surfaces during high load and high temperature operating conditions, which can destroy an oil film.

**PENNZOIL ULTRA TURBO MOTOR OIL** exceeds the world's newest standards for protection against thermal breakdown.

## APPLICATION

**PENNZOIL ULTRA TURBO MOTOR OIL** is recommended for all gasoline engine used in passenger car and light commercial vehicles where SAE 10W-40 is specified.

It exceeds the performance requirements of current API Service SL/CF. It is also recommended for older engines where the owner's manual recommended API Service Classification SJ, SH, SG, SF or any combination such as SJ/CF, SH/CF or SG/CD.

The special properties of **PENNZOIL ULTRA TURBO MOTOR OIL** make it ideally suited for engines that have been converted to use propane, butane or LPG when viscosity temperature guidelines are observed.

## BENEFITS

- Protects the engine during cold starts
- Provides excellent protection against engine wear and corrosion
- Maximum thermal stability for high temperature turbo protection
- Assures constant lubrication whether hot or cold
- Demonstrated fuel economy
- Minimizes ring deposits and oil consumption
- Resists buildup of harmful deposits in turbocharged engines
- Meet or exceed API SL/CF

**TYPICAL PHYSICAL AND CHEMICAL PROPERTIES  
ULTRA TURBO SEMI-SYNTHETIC MOTOR OIL**

| TEST                                 | METHOD      | TYPICAL RESULTS |
|--------------------------------------|-------------|-----------------|
| SAE Viscosity Grade                  | SAE J300    | 10W-40          |
| API Service Classification           | SAE J183    | SL/CF           |
| Flash Point (COC) °C                 | ASTM D-92   | 228             |
| Pour Point °C                        | ASTM D-97   | -30             |
| Viscosity                            |             |                 |
| @ 40°C cSt                           | ASTM D-445  | 92.55           |
| @ 100°C cSt                          | ASTM D-445  | 13.50           |
| Viscosity Index                      | ASTM D-2270 | 147             |
| Low Temperature Viscosity            | ASTM D-5293 | 5,610@-25 °C    |
| Vis ( cP ) at temperature ( °C ) Max |             |                 |
| Total Base Number,<br>mg KOH/g       | ASTM D-2896 | 6.5             |