

# PENNZOIL LONG-LIFE® SYN-BLEND MORTOR OIL

**High Quality Motor Oil with Synthetic-Blend Technology for High Performance Diesel and Gasoline Engines**

## Product Description

**Pennzoil LONG-LIFE® Syn-Blend** is a high performance engine oil exceed the new Global Specification DHD-1 and API Service CH-4/SJ Classification. This is to ensure that it will provide the most effective protection to the engines.

**Pennzoil LONG-LIFE® Syn-Blend** is formulated from the proper mix of the high quality synthetic base oils, the highly refined base stocks and the specially selected additives which increase the capability in viscosity grade stability even in the high temperature and high load operating conditions. It resists the oil deterioration from the oxidation reaction which results on the extended draining interval. It gives excellent protection from all kind of wears in the engines.

## Application

**Pennzoil LONG-LIFE® Syn-Blend** is recommended for both diesel and gasoline engines manufactured from European countries, Japan and America. It can be used in the Off-road vehicles, Sport Utility Vehicle (SUV) and other high performance engines that require the motor oil meeting API CH-4, CG-4, CF-4, CF and SJ

Service Classifications. It also meets the leading OEMs such Mercedes Benz, MAN , Volvo, Mack and etc.

## Benefit

- Recommended for diesel and gasoline engines from Europe, Japan and America
- Excellent wear protection for longer engine life
- Helps increase lubrication efficiency
- Maintains consistent viscosity over a wide range of temperatures
- Provides excellent high temperature protection, smooth running and reduces oil consumption
- Meets performance requirements of DHD-1, API CH-4/CG-4/CF-4/CF/SJ Service Classifications, ACEA E5-99/A3/98/B3-98 and JASO DX-1
- Meets performance requirements of MB 228.3 Blanket, MB 229.1, MAN M3275, Volvo VDS-2, Cummins CES 20072, Cummins CES 20077, MTU Oil Category 2, Mack EO-M Plus และอื่นๆ

## TYPICAL PHYSICAL AND CHEMICAL PROPERTIES PENNZOIL LONG-LIFE® SYN-BLEND MORTOR OIL

TEST	METHOD	TYPICAL RESULTS
SAE Viscosity Grade	SAE J300	15W-40
API Service	SAE J183	CH-4/SJ
Pour Point, °C	ASTM D-97	-27
Flash Point, °C	ASTM D-92	238
Viscosity		
@ 40 °C, cSt	ASTM D-445	107.2
@ 100 °C, cSt	ASTM D-445	14.81
Viscosity Index	ASTM D-2270	143
Low Temperature Viscosity,	ASTM D-5293	4,940 @-20C
Vis (cP) at temperature (°C) Max		
Total Base Number, mg KOH/g	ASTM D-2896	10.28