

# SYNTHETIC PASSENGER DIESEL CAR OIL

## PREMIUM "MID SAPS" ENGINE OIL FOR EURO 4 & 5 ENGINES

**Product Description:** SYNTHETIC PASSENGER DIESEL CAR OIL (PCDEO) is a high performance synthetic oil designed to meet the latest car manufacturers warranty requirements. Specifically formulated to meet the demands of the small displacement high RPM fuel efficient engines found in today's domestic and foreign automobiles. These engines experience higher operating temperatures and require a motor oil that offers maximum protection against both viscosity and thermal breakdown.

The oil is 100% full synthetic of the highest quality and special additives that protects against high temperature oxidation, wear, and viscosity breakdown. It meets the "Mid SAPS" passenger car lubricant requirements as specified by various European OEMs and in line with the Euro 4 & 5 requirements.

### Features:

- Meets the Latest "Mid-SAPS" requirements.
- Shear stable viscosity index improver protects against viscosity breakdown in severe service.
- Sulfated Ash of 0.8 % with Phosphorus requirements of 0.08 %.
- Recommended for most engines meeting Euro 4 & Euro 5 requirements.

### Typical Uses:

- Synthetic PCDEO API SM/CF, ACEA C3-04, ACEA A3/B3-04/B4-04.
- Meets OEM requirements like VW 502.00/505.00, MB 229.31, MB 229.51 (only on 5W-30), BMW Longlife- 04, Porsche (5W-40).
- Meets European requirements of ACEA A1/B1-040 on a 5W-30
- Meets Diesel performance API CF.

### Typical Specifications:

SAE VISCOSITY GRADE	ASTM TEST	5W-40	5W-30
Gravity °API	D-287	33.2	34.3
Flash Point, °F.	D-92	410	424
Pour Point, °F.	D-97	-39	-38
Viscosity:			
cSt. @ 40° C.	D-445	88.5	64.7
cSt. @ 100° C.	D-445	14.10	11.0
CCS @ -30° C, cP	D-5293	2345	3200
Viscosity Index	D-2270	178	169
Color	D-1500	2.5	3.0
Sulfate Ash, Wt. %	D-874	0.80	0.80
Zinc, Wt. %	D-5185	0.08	0.08
Phosphorus, Wt. %	D-5185	0.08	0.08
TBN	D-2896	7.8	7.8

VALUES SHOWN HERE ARE TYPICAL AND MAY VARY