

KOYOTO 5W-40 SM/CF SERIES

Multigrade Gasoline and Diesel - Synthetic Engine Oil

KOYOTO
LUBRICANTS

Product Data Sheet

Product Description

KOYOTO 5W-40 SM/CF series is designed with synthetic base stocks and advanced technology additive system to provide very high level of engine protection and performance. It is suitable for highermileage gasoline and diesel fueled automobiles and light duty trucks requiring an API SM/CF specification, where very high viscosity index oils are preferred to provide longer oil drain intervals in modern engines. It provides maximum protection in engines operating under severe conditions, including high-performance turbo-charged, supercharged gasoline and certain diesel multi-valve fuel injected systems.

Features & Benefits

- Excellent fuel economy & easy cold starts due to extreme fluidity at low temperatures.
- High resistant oil film even at high engine operating temperatures.
- Excellent detergency and dispersancy, reduces sludge formation which improves engine cleanliness.
- Excellent oxidation & thermal stability, helps in extending oil drain intervals.
- Superior wear protection for greater engine reliability and performance.

Specifications

KOYOTO 5W-40 SM/CF meets or exceeds following International and Builder specifications:

- API SM, SL, SJ,CF
- ACEA A3/B3, A3/B4
- MB 229.3
- VW 502.00/505.00
- BMW Long life- 01
- Porsche A40

Application

KOYOTO 5W-40 SM/CF series is suitable for use in following:

- Automotive gasoline, diesel engines and Moderate duty LPG vehicles.
- Passenger cars, SUVs, light trucks and vans.
- Suitable for all petrol engines with multi-valve & turbo types and with or without catalytic converter.
- Naturally aspirated or turbo-charged diesel engines in cars and light vans.
- Fuel injected or indirect injection diesel engines fitted with blow-by recirculation systems.

Typical Characteristics

KOYOTO	Test Method	Units	5W-30	5W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.848	0.850
Viscosity @ 100 °C	ASTM D 445	cSt	10.4	14.30
Viscosity @ 40 °C	ASTM D 445	cSt	53.65	88.6
Viscosity Index	ASTM D 2270	-	169	168
Pour Point	ASTM D 97	°C	39	39
Flash Point (COC)	ASTM D 92	°C	212	228
Total Base Number	ASTM D 2896	mg KOH/g	8.4	8.4
Phosphorous	ASTM D 4951	% wt	0.098	0.098
CCS Viscosity	ASTM D 5293	cP	4560 @ -30 °C	4560 @ -30 °C

The above figures are typical of blends with normal production tolerance and do not constitute a specification.