

# KOYOTO 10W-30 SM SERIES

Multigrade Gasoline and Diesel – Semi Synthetic Engine Oil



## Product Data Sheet

### Product Description

KOYOTO 10W-30 SM series is designed with semi-synthetic base stocks and advanced technology additive system to provide very high level of engine protection and performance. It is suitable for higher mileage gasoline fueled automobiles and light duty trucks requiring an API SM specification, where very high viscosity index oils are preferred to provide longer oil drain intervals in modern engines and better oil consumption control in older vehicles where oil usage (burning) is an issue.

### Features & Benefits

- Improved fuel economy & easy cold starts due to good 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 10W-30 SM meets or exceeds following International and Builder specifications:**

- API SM, SL, SJ, CF

### Application

KOYOTO 10W-30 SM series is suitable for use in GM, Ford, BMW, VW, Audi and Mercedes Benz.

- Automotive gasoline and diesel engines.
- Passenger cars, SUVs, light trucks and vans.
- Moderate duty LPG vehicles.
- 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 SM	Test Method	Units	10W-30	10W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.868	0.870
Viscosity @ 100 °C	ASTM D 445	cSt	10.4	14.30
Viscosity @ 40 °C	ASTM D 445	cSt	62.6	95
Viscosity Index	ASTM D 2270	-	156	155
Pour Point	ASTM D 97	°C	-36	-36
Flash Point (COC)	ASTM D 92	°C	220	230
Phosphorous	ASTM D 4951	% wt	0.072	0.072
CCS Viscosity	ASTM D 5293	cP	5550 @ -25 °C	5650 @ -25 °C

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