

Gasoline & Light Duty Diesel Engine

TECHNICAL DATA SHEET

Product Description

ALES SEMI SYNTHETIC 10W30 is designed with a synthetic blend base stock and an advanced technology additive system to provide a very high level of engine protection and performance. It is suitable for high-mileage gasoline-powered automobiles and light-duty trucks requiring an API SN/CF specification, where oils with a very high viscosity index are preferred for 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

ALES SEMI SYNTHETIC 10W30 meets or exceeds following International and Builder specifications:

- API SN, SM, SL, SJ,CF
- ACEA A3/B3, A3/B4
- ILSAC GF-4
- MB 229.1 & Renault RN0700

Application

ALES SEMI SYNTHETIC 10W30 is suitable for use in following:

- 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

ALES SEMI SYNTHETIC 10W30	Test Method	Units	10W-30	10W-40	10W-60
Density @ 15 °C	ASTM D 4052	gm/cc	0.868	0.870	0.875
Viscosity @ 100 °C	ASTM D 445	cSt	10.4	14.30	22.50
Viscosity @ 40 °C	ASTM D 445	cSt	62.6	95	175.7
Viscosity Index	ASTM D 2270	-	156	155	155
Pour Point	ASTM D 97	°C	-36	-36	-36
Flash Point (COC)	ASTM D 92	°C	215	230	236
Total Base Number	ASTM D 2896	mg KOH/g	10.2	10.2	10.2
Phosphorous	ASTM D 4951	% wt	0.1	0.1	0.1
CCS Viscosity	ASTM D 5293	cP	5550 @ -25 °C	5650 @ -25 °C	6050 @ -25 °C

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