



PETROMIN Fleetmaster LD is an advanced-technology diesel engine oil series that meets modern Asian, American and European engine performance requirements. It is an ideal mixed-fleet engine oil for engines requiring API CH-4, API SJ, or older API categories. It is fortified with extra base reserve to cater to geographies where high S diesel is in common use.

Benefits

- Excellent TBN retention improves engine life and reliability.
- Effective oxidation control reduces the tendency for deposit formation.
- Keeps internal engine parts clean through superior protection against soot, varnish, and deposits.
- Suitable for both new and older engines fueled by high- or low-sulfur diesel, or gasoline.

Meets/Exceeds

- API CH-4/SJ
- MB 228.1 level
- Cummins CES 20076
- Caterpillar ECF-1a
- DEUTZ DQC II-18

Applications

- Suitable for modern heavy-duty diesel vehicles used in both on- and off-highway applications
- Recommended for all global OEMs, such as Daimler, Volvo, Caterpillar, Scania, as well as Asian OEM vehicles.
- Suitable for diesel and gasoline engines requiring API CH-4 or API SJ performance, respectively.

Product Characteristics

Properties	Test Method	Unit	SAE 15W-40	SAE 20W-50
Density @ 15 °C	ASTM D4052	kg/L	0.8748	0.8796
Kinematic Viscosity @ 40 °C	ASTM D445	cSt	116.5	163.5
Kinematic Viscosity @ 100 °C	ASTM D445	cSt	15.4	19.1
Viscosity Index	ASTM D2270	-	138	133
Flash Point, COC	ASTM D92	°C	244	250
Pour Point	ASTM D97	°C	-30	-33
Total Base Number	ASTM D2896	mg KOH/g	10.1	10.6
<i>Product Code</i>			<i>290000</i>	<i>237000</i>

* Information, test methods, figures are typical and conform to specification; minor variation may occur.

* Refer Owner's Manual for the manufacturer's recommended performance level, viscosity grade and builder approval requirements.

* Please refer to the product Safety Data Sheet (SDS) for health, safety, and handling information.

