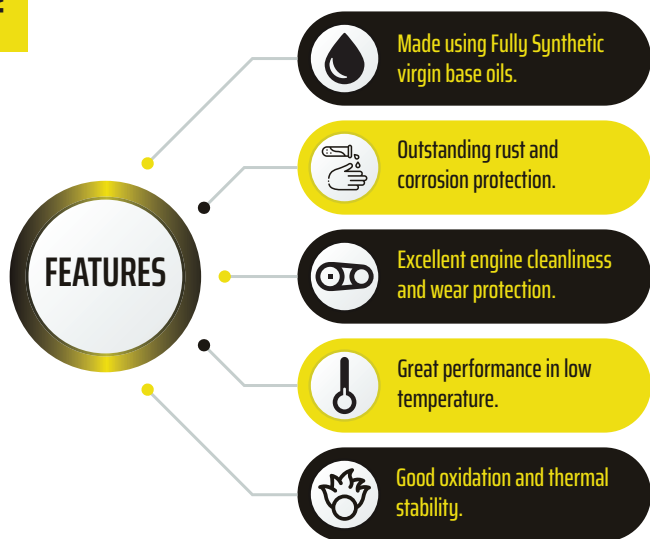




SHIELD - DIESEL ENGINE OIL SAE 15W40 - SYNTHETIC BLEND

DESCRIPTION

Shield's Diesel Engine Oil SAE 15W40 Synthetic Blend is a superior quality heavy-duty multigrade lubricant for diesel engines. It is blended using premium quality virgin synthetic & mineral base oils combined with advanced additives that offer the best possible lubrication. It assures excellent protection against high temperature engine deposits, oil degradation, and forms a thick oil film that protects engine parts from friction and wear.



PERFORMANCE LEVELS:

- API CK4, CJ4, CI4, CH4, CF4.
- CUMMINS CES 20081, CES 20086.
- Mack EOS 4.5, EO-O Premium Plus-07.
- CATERPILLAR ECF-3, ECF-2, ECF-1a.
- DAIMLER MERCEDES-BENZ MB 228.31, MB 228.3.
- VOLVO VDS-4.4, VDS-3.
- RENAULT VI RLD-4, RLD-3.
- ACEA E7-16 / E9-16.
- ACEA E3-B4 -08.
- MAN 3275 / 3575.
- FORD WSS - M2 C171 - F1.
- DETROIT DIESEL 93K222 / 93K218
- MTU TYPE 2.1.
- DEUTZ DQC111 - 10LA.

APPLICATIONS:

Shield's Diesel Engine Oil SAE 15W40 Synthetic Blend is recommended for mixed fleets of automotive diesel truck manufacturers, on-highway light and heavy-duty trucking, and off-highway industries including: construction, mining, quarrying, agriculture and diesel generator sets.

TYPICAL PHYSICAL PROPERTIES

SL#	Characteristics Unit	Test Method	API Grade / Performance Level				
			15W40 CK4	15W40 CJ4	15W40 CI4	15W40 CH4	15W40 CF4
1	Density @ 15°C	ASTM D 1298	0.87	0.87	0.87	0.87	0.87
2	Viscosity @ 40°C	ASTM D 445	90	90	90	90	90
3	Viscosity @ 100°C	ASTM D 445	14	14	14	14	14
4	Viscosity Index	ASTM D 2270	159	159	159	159	159
5	Flash Point COC, °C	ASTM D 92	225	225	225	225	225
6	Pour Point, °C	ASTM D 97	-30	-30	-30	-30	-30
7	Total Base Number, mgKOH/g	ASTM D 2896	10	10	10	10	10
8	Color	ASTM D 1500	12.0	12.0	12.0	12.0	12.0
9	Appearance	ASTM D 4176	C & B	C & B	C & B	C & B	C & B

*Exact specifications may slightly vary from the above, but within the international standards