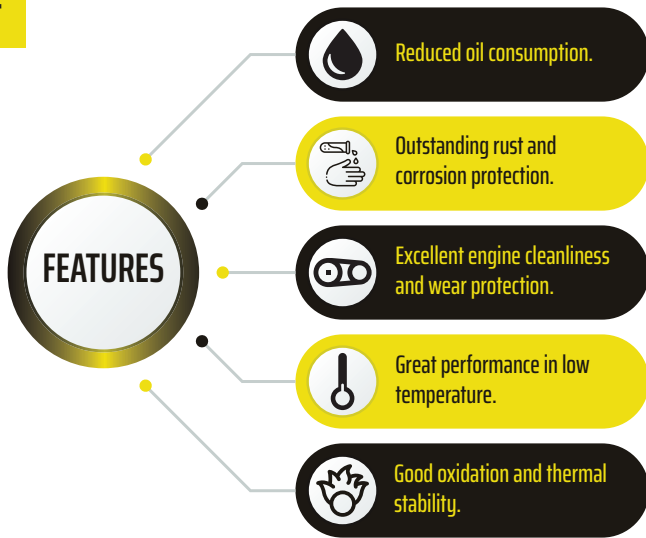


SHIELD - DIESEL ENGINE OIL SAE 5W40

DESCRIPTION

Shield's Diesel Engine Oil SAE 5W40 is extra premium quality heavy-duty diesel engine oil. It is blended from high quality virgin base oil with advanced additives that offers the best possible lubrication. It assures excellent protection against high temperature engine deposits, oil degradation, and oil thickening provides excellent corrosion resistance.



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.

APPLICATIONS:

Shield's Diesel Engine Oil SAE 5W40 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				
			5W40 CK4	5W40 CJ4	5W40 CI4	5W40 CH4	5W40 CF4
1	Density @ 15°C	ASTM D 1298	0.8940	0.8940	0.8940	0.8940	0.8940
2	Viscosity @ 40°C	ASTM D 445	119.77	119.77	119.77	119.77	119.77
3	Viscosity @ 100°C	ASTM D 445	14	14	14	14	14
4	Viscosity Index	ASTM D 2270	116	116	116	116	116
5	Flash Point COC, °C	ASTM D 92	230	230	230	230	230
6	Pour Point, °C	ASTM D 97	-36	-36	-36	-36	-36
7	Total Base Number, mgKOH/g	ASTM D 2896	11	11	11	11	11
8	Color	ASTM D 1500	12.5	12.5	12.5	12.5	12.5
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