

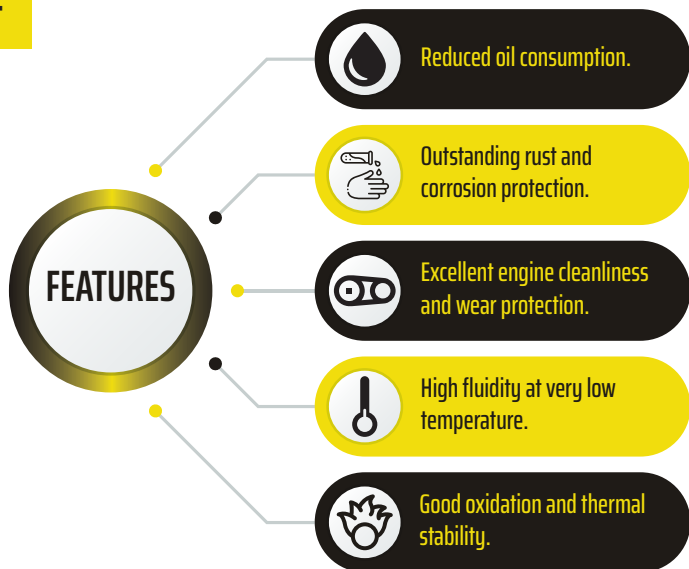


SHIELD - DIESEL ENGINE OIL

SAE 30

DESCRIPTION

Shield's Diesel Engine Oil SAE 30 is a superior quality heavy-duty monograde lubricant for diesel engines. It is blended from premium quality virgin base oils and 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 20076, CES 20071
- MACK EO-N PREMIUM PLUS, MACK EO-M
- CATERPILLAR ECF-1a
- DAIMLER MERCEDES-BENZ MB 228.3
- VOLVO VDS-3
- RENAULT VI RLD-2

APPLICATIONS:

The Shield Diesel Engine Oil SAE 30 is recommended for diesel engines with pressure circulation lubrication and fine filters. It is ideal for use in engines with increased operation temperatures and under high loads. It is suitable for the engines of construction & agriculture equipment.

TYPICAL PHYSICAL PROPERTIES

SL#	Characteristics Unit	Test Method	API Grade / Performance Level				
			CK4	CJ4	CI4	CH4	CF4
1	Density @ 15°C	ASTM D 1298	0.8760	0.8760	0.8760	0.8760	0.8760
2	Viscosity @ 40°C, cSt	ASTM D 445	93.41	93.41	93.41	93.41	93.41
3	Viscosity @ 100°C, cSt	ASTM D 445	10.86	10.86	10.86	10.86	10.86
4	Viscosity Index	ASTM D 445	100	100	100	100	100
5	Flash Point COC, °C	ASTM D 92	230	230	230	230	230
6	Pour Point, °C	ASTM D 97	-18	-18	-18	-18	-18
7	Total Base Number, mgKOH/g	ASTM D 2896	8	8	8	8	8
8	Color	ASTM D 1500	L1.5	L1.5	L1.5	L1.5	L1.5
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