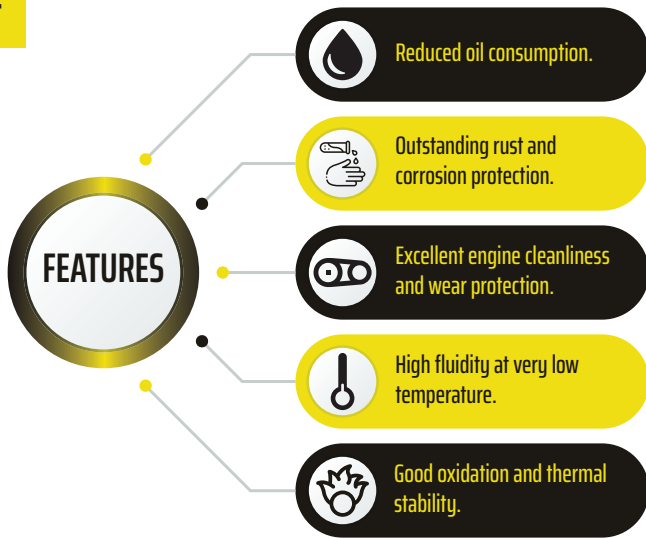


SHIELD - DIESEL ENGINE OIL SAE 20W50

DESCRIPTION

Shield's Diesel Engine Oil SAE 20W50 is extra premium quality heavy-duty multigrade 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 oil thickening and corrosion resistance.



PERFORMANCE LEVELS:

- API CK4, CJ4, C14, 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:

The Shield Diesel Engine Oil SAE 20W50 is recommended for diesel engines with pressure circulation lubrication and fine filter. It is also ideal for use in engines with increased operating temperatures and under high loads. It is suitable for diesel engines of construction and agriculture equipment.

TYPICAL PHYSICAL PROPERTIES

SL#	Characteristics Unit	Test Method	API Grade / Performance Level			
			20W50 CK4	20W50 CJ4	20W50 C14	20W50 CH4
1	Density @ 15°C	ASTM D 1298	0.8940	0.8940	0.8940	0.8940
2	Viscosity @ 40°C	ASTM D 445	174	174	174	174
3	Viscosity @ 100°C	ASTM D 445	19	19	19	19
4	Viscosity Index	ASTM D 2270	123	123	123	123
5	Flash Point COC, °C	ASTM D 92	248	248	248	248
6	Pour Point, °C	ASTM D 97	-24	-24	-24	-24
7	Total Base Number, mgKOH/g	ASTM D 2896	10	10	10	10
8	Color	ASTM D 1500	12.5	12.5	12.5	12.5
9	Appearance	ASTM D 4176	C & B	C & B	C & B	C & B

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