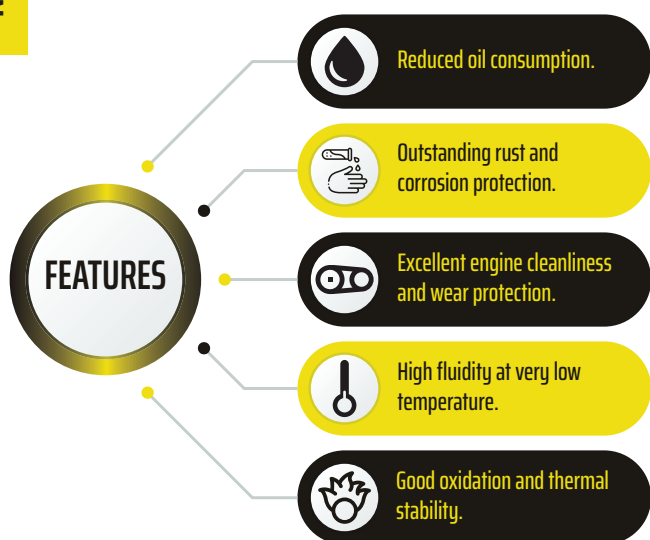




SHIELD - DIESEL ENGINE OIL SAE 30

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 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 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 load. It is suitable for the engines of construction & agriculture equipment.

TYPICAL PHYSICAL PROPERTIES

| SL# | Characteristics Unit | Test Method | API Grade / Performance Level | | | | |
|-----|----------------------------|-------------|-------------------------------|------------|------------|------------|------------|
| | | | SAE 30 CK4 | SAE 30 CJ4 | SAE 30 CI4 | SAE 30 CH4 | SAE 30 CF4 |
| 1 | Density @ 15°C | ASTM D 1298 | 0.876 | 0.876 | 0.876 | 0.876 | 0.876 |
| 2 | Viscosity @ 40°C | ASTM D 445 | 93.41 | 93.41 | 93.41 | 93.41 | 93.41 |
| 3 | Viscosity @ 100°C | ASTM D 445 | 10.86 | 10.86 | 10.86 | 10.86 | 10.86 |
| 4 | Viscosity Index | ASTM D 2270 | 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