

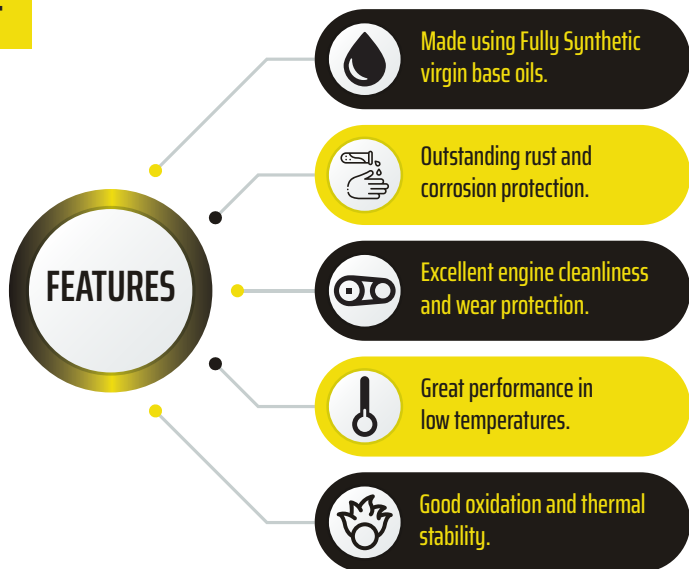


# SHIELD - DIESEL ENGINE OIL

## SAE 10W40 - SYNTHETIC BLEND

DESCRIPTION

Shield's Diesel Engine Oil SAE 10W40 Synthetic Blend is a superior quality heavy-duty lubricant for diesel engines. It is blended using premium quality virgin, synthetic 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
- Volvo VDS-3
- Renault VI RLD-2
- Caterpillar ECF-1a
- Daimler Mercedes-Benz MB 228.3

### APPLICATIONS:

The Shield Diesel Engine Oil SAE 10W40 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 |        |        |        |        |
|-----|----------------------------|-------------|-------------------------------|--------|--------|--------|--------|
|     |                            |             | 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           | ASTM D 445  | 115                           | 115    | 115    | 115    | 115    |
| 3   | Viscosity @ 100°C          | ASTM D 445  | 15.3                          | 15.3   | 15.3   | 15.3   | 15.3   |
| 4   | Viscosity Index            | ASTM D 445  | 139                           | 139    | 139    | 139    | 139    |
| 5   | Flash Point COC, °C        | ASTM D 92   | 220                           | 220    | 220    | 220    | 220    |
| 6   | Pour Point, °C             | ASTM D 97   | -35                           | -35    | -35    | -35    | -35    |
| 7   | Total Base Number, mgKOH/g | ASTM D 2896 | 10                            | 10     | 10     | 10     | 10     |
| 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