



Engine Oil HDL 10W-40

Product Code: 76230

Semi Synthetic Heavy Duty Diesel Engine Oil

Engine Oil HDL 10W-40 is a high performance universal semi synthetic oil designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year and is formulated for use in Euro-1, Euro-2 and Euro-3 engines equipped with EGR and/or SCR. This product is not suitable for vehicles equipped with particulate filters.

Engine Oil HDL 10W-40 is formulated on high refined solvent mineral and synthetic base stock in combination with a special additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against Bore Polishing.
- Not suitable for engine equipped with a Diesel Particulate Filter (DPF).

Engine Oil HDL 10W-40 meets the following performance criteria:

API CH-4
MB 228.3

API SL
MTU Type 2

ACEA A3/B4
JASO DH-1

MAN M 3275

Typical Analysis

| Properties | Unit | Method | Typical Value |
|-----------------------|--------------------|------------|---------------|
| SAE Grade | | SAE J300 | 10W-40 |
| Density @15°C | kg/m ³ | ASTM D4052 | 861 |
| Kin. Viscosity @40°C | mm ² /s | ASTM D7042 | 90 |
| Kin. Viscosity @100°C | mm ² /s | ASTM D7042 | 14 |
| Viscosity Index | | ASTM D2270 | 159 |
| Viscosity CCS @-25°C | cP | ASTM D5293 | 5000 |
| Flash Point COC | °C | ASTM D92 | >201 |
| Pour Point | °C | ASTM D7346 | -36 |
| Total Base Number | mgKOH/g | ASTM D2896 | 11 |
| Sulphated Ash | %Wt | ASTM D874 | 1.26 |

| | | |
|-------------------------|------------------------|------------------|
| Date Issued: 03-03-2021 | Supersedes: 02-05-2018 | Revision Nr.: 03 |
|-------------------------|------------------------|------------------|