

## Mabanol Argon Truck Blue Eco 10W-40

High Performance Low Friction Engine Oil for Heavy-Duty Services (USHPD)

### Application

Mabanol Argon Truck Blue Eco 10W-40 is specially designed for economic use in low-exhaust engines with exhaust after treatment devices. It is a year-round high-performance engine oil for use in utility vehicles, suitably adapted to the new emission standards – Euro IV and V engines. The engine oil is fully backward compatible and suited for cars with Euro II and Euro III engine. Furthermore it maintains the effectiveness of the exhaust gas cleaning systems for a prolonged period.

### Properties

Mabanol Argon Truck Blue Eco 10W-40 is a high-alloy USHPD low friction engine oil for commercial vehicles. The SAE 10W-40 year-round range of viscosities preferred by engine manufacturers is achieved through the use of selected synthetic base oils. SAE 10W cold viscosity ensures safer cold starts at very low outside temperatures (reduced wear in cold starting conditions) by ensuring that all vehicle components are sufficiently lubricated. Mabanol Argon Truck Blue Eco 10W-40 ensures excellent oxidation and wear protection as well as excellent aging and shear stability and engine cleanliness.

### Specifications

- SAE Grade 10W-40
- ACEA E6/E7
- API CI-4
- JASO DH-2

### Approvals

- MB-Approval 228.51
- MAN M 3477
- Volvo VDS-3 (STD 417-0002)
- MACK EO-N
- Renault VI RLD-2

### Approved under a different title / recommended for

- MAN 3271-1
- MTU MTL 5044 Typ 3.1
- MTU DDC BR 2000/4000
- Renault VI RXD/RGD
- Deutz DQC III-10 LA
- DAF
- Cummins CES 20076/20077
- Caterpillar ECF-1a

### Data

|                         | Test method     | Unit               | Value |
|-------------------------|-----------------|--------------------|-------|
| Density at 15°C         | DIN 51 757      | g/cm <sup>3</sup>  | 0,859 |
| Dyn. Viscosity at -25°C | ASTM D 5293     | mPa s              | 6.500 |
| Kin. Viscosity at 40°C  | DIN EN ISO 3104 | mm <sup>2</sup> /s | 102   |
| Kin. Viscosity at 100°C | DIN EN ISO 3104 | mm <sup>2</sup> /s | 15,0  |
| Viscosity Index (VI)    | DIN ISO 2909    |                    | 154   |
| Flash point COC         | DIN ISO 2592    | °C                 | 242   |
| Pourpoint               | DIN ISO 3016    | °C                 | -36   |
| Total base number       | DIN ISO 3771    | mgKOH/g            | 10,4  |
| Sulphated ash           | DIN 51 575      | g/100g             | 0,96  |

Updated in Mai 2017

The above values may vary within the commercial limits.

Customs Tariff No.: 2710 1981