

# Mabanol Argon Truck Mono

## Monograde Engine Oils

### Application

Mabanol Argon Truck Mono is suitable for the servicing of diesel engines of commercial vehicles, agricultural vehicles and construction vehicles. It can also be used as a hydraulic oil and in hydraulic clutches, manual transmissions, converter transmissions and retarders. Mabanol Argon Truck Mono is also recommended for use in heavy-duty marine and stationary industrial engines.

### Properties

Mabanol Argon Truck Mono engine oils are universal high-performance monograde oils. The performance range covers the requirements of diesel engines with or without turbochargers as well as that for all petrol engines. Base oils of the highest standards and selected additives keep the engine clean and provide maximum protection against wear even under extreme loads.

### Specifications

- SAE Grade 10W to 50
- ACEA E2
- API CF/CF-2/SF

### Approved under a different title / recommended for

- MB-Sheet 228.0
- Caterpillar TO-2
- Allison C-4
- MTU Typ 1
- MTU MTL 5044 Typ 1, MTU DDC (Exception BR 8000, 4000-3 M, 4000-04, 1800, 1600, BR 2000 M84 / M94, 956, commercial ferries of series 595 und 1163)
- ZF TE-ML 04B
- Renk Doromat (SAE 10W)

### Data

### SAE Grade

|                         | Test method     | Unit               | 10W   | 20W-20 | 30    | 40    | 50    |
|-------------------------|-----------------|--------------------|-------|--------|-------|-------|-------|
| Density at 15°C         | DIN 51 757      | g/cm <sup>3</sup>  | 0,881 | 0,887  | 0,891 | 0,898 | 0,899 |
| Dyn. Viscosity at -25°C | ASTM D 5293     | mPa s              | 6.440 | –      | –     | –     | –     |
| Dyn. Viscosity at -15°C | ASTM D 5293     | mPa s              | –     | 4.530  | –     | –     | –     |
| Kin. Viscosity at 40°C  | DIN EN ISO 3104 | mm <sup>2</sup> /s | 37,3  | 69,5   | 106   | 167   | 239   |
| Kin. Viscosity at 100°C | DIN EN ISO 3104 | mm <sup>2</sup> /s | 6,2   | 9      | 11,7  | 15,6  | 19,5  |
| Viscosity Index (VI)    | DIN ISO 2909    |                    | 111   | 103    | 99    | 95    | 93    |
| Flash point COC         | DIN ISO 2592    | °C                 | 222   | 245    | 264   | 280   | 290   |
| Pourpoint               | DIN ISO 3016    | °C                 | ,39   | -30    | -24   | -24   | -21   |
| Total base number       | DIN ISO 3771    | mg KOH/g           | 11,5  | 11,5   | 11,7  | 11,7  | 11,8  |
| Sulphated ash           | DIN 51 575      | g/100g             | 1,6   | 1,6    | 1,6   | 1,6   | 1,6   |

Updated in August 2016

The above values may vary within the commercial limits.

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