

# PRAGOS M25

Heavy Duty-Multigrade-Motor Oil 20W50

## Description:

**PRAGOS M25** is a high-performance SHPD-type motor oil whose excellent additive technology allows it to cope with the most demanding requirements of supercharged diesel engines and performance-optimized petrol engines. Ideally suited for mixed fleet operation if 20W50 viscosity is appropriate or necessary due to the climatic conditions.

**PRAGOS M25** particularly recommended as a diesel motor oil for short- and long-distance vehicle fleets (trucks and buses) and for construction vehicles.

## Characteristics

- Exceptional high detergent effect which almost prevents residues in the combustion section
- Formation of cold sludge and residues in the engine and the oil pan are nearly prevented
- Optimal protection against corrosion, oxidation, wear and foaming
- Extremely high pressure susceptibility
- Very well cleaning capability
- Excellent ageing stability
- Excellent viscosity-temperature behaviour

## Usable for

|                                |                |
|--------------------------------|----------------|
| SAE                            | 20W-50         |
| API                            | CI-4/SL + SHPD |
| ACEA                           | E7             |
| We recommend this product for: |                |
| ALLISON                        | C-4            |
| CATERPILLAR                    | ECF-1a, ECF-2  |
| DETROIT DIESEL                 | 93K215         |
| GLOBAL                         | DHD-1          |
| JASO                           | DH1            |
| MAN                            | M 3275         |
| MB                             | 228.3          |
| MB                             | 229.1          |
| MTU                            | Typ 2          |

## Disposal:

- **PRAGOS M25** is assigned to category 2 of used oils and thus is free for disposal.

## Miscibility:

- **PRAGOS M25** is fully compatible to comparable lubricants and can be mixed safely. However, it is recommended to refill **PRAGOS M25** only.

## Effects

- High operating reliability at extreme conditions
- Very well suitable for difficult operating conditions
- Suitable for longest oil changing intervals
- Prevents black sludge formation
- Protection against reflector surface formation
- Improved economy viability by extended inspections-intervals
- Minimum wear at highly strained engines
- High stable viscosity index
- Year-round use for mixed fleet operation in warm and tropical climates
- Reducing of sorts

## Utilization

- Commercial vehicle diesel engines
  - with turbo charging
  - with catalyst technology
- Passenger car diesel engines
  - with turbo charging
  - with catalyst technology
- Four-stroke petrol engine
  - with turbo charging
  - with catalyst technology

**PRAGOS M25**

| Article No.  | Packaging unit |        |
|--------------|----------------|--------|
| STL 1000 485 | Can            | 20 L   |
| STL 1000 486 | Drum           | 60 L   |
| STL 1000 488 | Drum           | 200 L  |
| STL 1400 489 | PE-Container   | 1000 L |

## Typical characteristics:

|                            |                    |       |
|----------------------------|--------------------|-------|
| Specific weight at 15°C    | kg/m <sup>3</sup>  | 882   |
| Dynamic viscosity at -20°C | mPa.s              | 6390  |
| Viscosity at 40°C          | mm <sup>2</sup> /s | 147,5 |
| Viscosity at 100°C         | mm <sup>2</sup> /s | 17,7  |
| Viscosity index            |                    | 132   |
| Flash point COC            | °C                 | 234   |
| Pourpoint                  | °C                 | -33   |
| Sulphate ashes             | %                  | -     |
| TBN                        | mgKOH/g            | 10,8  |

