



# SM-SPORT 50

Hightec-Multigrade-Motor Oil 20W50

## Description:

**SM-SPORT 50** is a new, ultra-modern and multi-functional multigrade engine oil for petrol and diesel engines in passenger cars and vans with and without turbochargers - also recommended for harsh operating conditions.

**SM-SPORT 50** ensures reduced fuel and oil consumption thanks to its optimized formulation. It is suitable for all year round use, especially in warmer climates, thanks to its viscosity/temperature characteristics. Adding a special booster enhances the quality level to API SN, achieving improvements in stability against oxidation, protection against deposition and wear protection characteristics. This ensures a cleaner engine and ultimately to a longer service life for it.

## Properties

- Multigrade character
- High engine cleanliness
- Universally applied for all gasoline and diesel engines
- Best wear protection
- Excellent viscosity-temperature behaviour
- High safety potential, also at boundary lubrication conditions
- Ageing and viscosity stability
- Excellent detergent- and dispersant characteristics
- Low volatilization tendency
- High, stable viscosity index
- Optimal protection against corrosion, oxidation, wear and foaming

## Effects

- All-year operation
- High operating reliability
- Prevents black sludge formation
- Good cold starting properties
- Suitable for extended oil change intervals

## Suitable for/ we recommend this product for

|                                |        |
|--------------------------------|--------|
| SAE                            | 20W-50 |
| API                            | SN/CF  |
| ACEA                           | A3/B4  |
| We recommend this product for: |        |
| MB                             | 229.1  |
| VW                             | 505.00 |

## Utilization

- Four-stroke petrol engines
- with turbo charging
- with multivalve technology
- with catalyst technology
  
- passenger car and transporter diesel engines
- with turbo charging
- with catalyst technology

## Disposal:

- **SM-SPORT 50** is assigned to category 2 of used oils and thus is free for disposal.

## Miscibility:

- **SM-SPORT 50** is fully compatible to comparable lubrications and can be mixed without any doubts. However, it is recommended to take **SM-SPORT 50** when refilling.

## SM-SPORT 50

| Article No. | Packaging unit |        |
|-------------|----------------|--------|
| 301 882     | Can            | 1 L    |
| 301 883     | Can            | 4 L    |
| 301 884     | Can            | 5 L    |
| 301 885     | Can            | 20 L   |
| 301 886     | Drum           | 60 L   |
| 301 888     | Drum           | 200 L  |
| 341 889     | PE-Container   | 1000 L |

## Typical characteristics:

|                            |                    |      |
|----------------------------|--------------------|------|
| Specific weight at 15°C    | kg/m <sup>3</sup>  | 867  |
| Dynamic viscosity at -25°C | mPa.s              | 2136 |
| Viscosity at 40°C          | mm <sup>2</sup> /s | 113  |
| Viscosity at 100°C         | mm <sup>2</sup> /s | 16,7 |
| Viscosity index            |                    | 161  |
| Flash point COC            | °C                 | 220  |
| Pourpoint                  | °C                 | -45  |
| TBN                        | mgKOH/g            | 13,1 |