

# CHAMPION OEM SPECIFIC 0W20 MS-MFE

A full synthetic lubricant well-suited for the newest Mercedes-Benz engines. The ultra-low viscosity grade enables the engine to run at high fuel-efficiency. This engine oil optimizes wear protection and engine cleanliness. This combination of characteristics will assist at keeping the engine in prime condition. It is suitable for hybrid cars when the OEM specifications are met with.

## APPLICATIONS

The MB 229.71 specification means that this product is capable of serving some of the latest Mercedes-Benz E-Class engines, including the 2017 E 220 d 4MATIC All-Terrain 213.217 and the 2017 E 220 d 4MATIC Coupé 238.315. Some Jaguar models, including a selection of the XE, XK and F category can profit from the OFFICIALTECH 0W20 MS-MFE's technology. Last but not least there is a variety of Land Rovers which make use of the Jaguar STJLR.51.5122 specification, turning this product into a great engine lubricant for all of these models.

## FEATURES

Fuel economy: superior fuel economy and CO2 reduction

Total engine protection: excels at keeping the engine clean

Cold start: excellent fluidity at low temperature

## PERFORMANCE

|             |       |                          |               |
|-------------|-------|--------------------------|---------------|
| <b>ACEA</b> | C5    | <b>JAGUAR-LAND ROVER</b> | STJLR.51.5122 |
| <b>API</b>  | SN/RC | <b>MB</b>                | 229.71        |

## TYPICAL CHARACTERISTICS

| Test                         | Method     | Unit     | Average results |
|------------------------------|------------|----------|-----------------|
| Density at 15°C              | ASTM D4052 | g/ml     | 0.842           |
| Kinematic viscosity at 40°C  | ASTM D445  | mm²/s    | 39.3            |
| Kinematic viscosity at 100°C | ASTM D445  | mm²/s    | 8.3             |
| Viscosity index              | ASTM D2270 |          | 192             |
| B.N. [HCL04 method]          | ASTM D2896 | mg KOH/g | 7.8             |
| Pour point                   | ASTM D6892 | °C       | -51             |
| Sulfated Ash                 | ASTM D874  | Mass %   | 0.79            |
| Flash Point COC              | ASTM D92   | °C       | 220             |
| CCS viscosity at -35°C       | ASTM D5293 | mPa.s    | 4450            |

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions.

### CHAMPION CHEMICALS NV

G. Gilliatstraat 52 - 2620 Hemiksem - Belgium

Tel. +32 3 870 00 00

[www.championlubes.com](http://www.championlubes.com)

