# WOLF OFFICIALTECH
# 0W20 LS-FE

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65631

This full synthetic engine oil is specifically developed to meet the Opel OV 040 1547 - A20 specification. The ultra-low viscosity grade of this lubricant enables the latest engine designs to reach their predetermined fuel-economy goals. In addition to this, the engine oil forms a powerful layer that absorbs harmful particulates and keeps the engine clean and protected. It is suitable for hybrid cars when the OEM specifications are met with.

## APPLICATIONS

This engine oil offers complete protection to a range of modern passenger car and light truck diesel and gasoline engines, equipped with or without emission aftertreatment system. Furthermore, it can be used in combination with the latest fuel types, such as biofuels and ethanol-based fuels. The API SN Plus specification shows the lubricant's compatibility with highly fuel-efficient GDI engines, in which this oil prevents LSPI from damaging the engine components. This engine oil enables some of the most advanced engine designs to reach their targeted fuel-economy levels, which is proven by meeting the MB 229.71 and BMW Longlife-17FE+ specifications.

## FEATURES

Fuel economy: the purpose is good fuel economy and low exhaust emissions
Cold start: high level of fluidity at low temperature
Aftertreatment protection: the purpose is full aftertreatment device protection

## SPECIFICATIONS

| | | | |
|---|---|---|---|
| ACEA | C5 | FIAT | 9.55535-DM1 |
| ACEA | C6 | FIAT | 9.55535-DSX |
| API | approval SQ/RC | FIAT | 9.55535-GSX |
| API | SN Plus | FORD | approval WSS-M2C954-A1 |
| API | SN/RC | FORD | WSS-M12R535-A |
| API | SP | FORD | WSS-M12R536-A |
| API | SP/RC | FORD | WSS-M2C947-A |
| API | SQ | FORD | WSS-M2C947-B1 |
| ILSAC | approval GF-7 A | FORD | WSS-M2C952-A1 |
| ILSAC | GF-5 | FORD | WSS-M2C962-A1 |
| ILSAC | GF-6 A | GM | dexos™1 Gen 3 |
| ACURA | SFU | GM | dexos™D |
| ASTON MARTIN | SFU | GMC | SFU |
| BMW | approval LONGLIFE-17FE+ | HONDA | SFU |
| BMW | LONGLIFE-14FE+ | HYUNDAI | SFU |
| BUICK | SFU | INFINITI | SFU |
| BYD | SFU | JAGUAR-LAND ROVER | approval STJLR.03.5006 |
| CADILLAC | SFU | JAGUAR-LAND ROVER | STJLR.51.5122 |
| CHEVROLET | SFU | JEEP | SFU |
| CHRYSLER | MS 12145 | KIA | SFU |
| CHRYSLER | MS 6395 | LEXUS | SFU |
| DODGE | SFU | LINCOLN | SFU |
| FIAT | 9.55535-CR1 | MAZDA | SFU |

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|---|---|---|---|
| MB | 229.72 | SUBARU | SFU |
| MB | approval 229.71 | SUZUKI | SFU |
| MG | SFU | TATA | SFU |
| MITSUBISHI | SFU | TIANJIN | SFU |
| NISSAN | SFU | TOYOTA | SFU |
| OPEL | OV 040 1547 - A20 | VOLVO | approval VCC C6SP |
| PERODUA | SFU | VOLVO | VCC RBS0-2AE |
| ROEWE | SFU | VW | VWC 53057 |
| SCION | SFU | | |

## TYPICAL CHARACTERISTICS

| Test | Method | Unit | Average results |
|---|---|---|---|
| Density at 15°C | ASTM D4052 | g/ml | 0.8481 |
| Kinematic viscosity at 40°C | ASTM D445 | $mm^2/s$ | 42.11 |
| Kinematic viscosity at 100°C | ASTM D445 | $mm^2/s$ | 8.25 |
| Viscosity index | ASTM D2270 | | 175 |
| B.N. (HCLO4 method) | ASTM D2896 | mg KOH/g | 7.8 |
| Pour point | ASTM D6892 | °C | -48 |
| Sulfated Ash | ASTM D874 | Mass % | 0.7 |
| Flash Point COC | ASTM D92 | °C | 210 |

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

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