

# OKINAWA SYNTHETIC ENGINE OIL SAE 0W20 API SP

## (Premium Fully Synthetic Passenger Car Engine Oil-with LSPI Protection)

### DESCRIPTION

OKINAWA SYNTHETIC ENGINE OIL SAE 0W20 API SP is a fully synthetic engine oil is designed to meet the Opel OV 040 1547 - A20 specification. The oil's ultra-low viscosity improves fuel economy in the latest engines. It also forms a protective layer that absorbs harmful particles and keeps the engine clean. The oil is suitable for hybrid cars that meet OEM specifications.

### APPLICATIONS

OKINAWA SYNTHETIC ENGINE OIL SAE 0W20 API SP fully protects a wide range of modern passenger cars and light trucks with diesel and gasoline engines, with or without emission after-treatment systems. It is compatible with the latest fuels, including biofuels and ethanol blends. This oil meets the API SN Plus specification, preventing LSPI damage in highly fuel-efficient GDI engines. It also helps the most advanced engines achieve their fuel-economy targets, as demonstrated by its compliance with MB 229.71 and BMW Longlife-17FE+ specifications.

### PERFORMANCE FEATURES AND BENEFITS PROPERTIES

- Protects against LSPI in turbocharged gasoline direct injection engines
- Exceeds warranty requirements for new cars
- Enhanced performance in extreme temperatures compared to conventional oils
- Resists viscosity and thermal breakdown at high temperatures
- Prevents sludge and varnish formation
- Prevents rust and bearing corrosion
- Low volatility for reduced oil consumption
- Highly resistant to foaming
- Excellent protection during cold starts
- Formulated to protect turbochargers and emission control systems
- Exceeds ILSAC GF-6 requirements for new cars under warranty

### RECOMMENDATIONS / SPECIFICATIONS

International Standards: API SN PLUS, SN/RC, SP, SP/RC, ACEA C5,C6, ILSAC GF-5, GF-6A

Meets the requirements of: BMW LONGLIFE 14FE+, LONGLIFE-17FE+, CHRYSLER MS 6395, MS-12145, FIAT 9.55535-CR1, 9.55535-DM1, 9.55535-DSX, 9.55535-GSX, GM DexosD, VOLVO VCC RBS0-2AE, FORD WSS-M2C945-A, WSS-M2C945-B1, WSS-M2C946-A, WSS-M2C946-B1, WSS-M2C947-A, WSS-M2C947-B1, WSS-M2C962-A1, JAGUAR-LAND ROVER STJLR.03.5006, STJLR.51.5122, MB 229.71, 229.72, OPEL OV 040 1547 - A20

Meets quality requirements of most gasoline engine manufacturers in the USA, Europe, Japan and Korea

### TYPICAL TECHNICAL PROPERTIES

Viscosity Grade, SAE J300	0W-20
Product code	PCMO-24007
Density at 15°C, g/ml, ASTM D4052	0.845
Cold Cranking Viscosity(CCS), mPa s, ASTM D5293	5700@-35°C
Kinematic Viscosity at 40°C, mm <sup>2</sup> /s, ASTM D445	40.64
Kinematic Viscosity at 100°C, mm <sup>2</sup> /s, ASTM D445	8.06
Viscosity Index, ASTM D2270	176
Flash Point(COC), °C, ASTM D92	210
Pour Point, °C, ASTM D97	-48
Total Base Number, mg KOH/g, ASTM D2896	7.7
Sulfated Ash, Mass %, ASTM D874	0.6

Note: These characteristics are typical of current production. While future production will conform to current specification, variations in these characteristics may occur.

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\* supersedes all previous versions

Packing : 700 ml ,800 ml , 1L , 2L, 3L, 4L, 5L, 6.5L, 7L, 8L,16L,18L, 20L, 25L, 200L, 205L, 208L, 210L