



FREEWAY INITIAL LL 0W-20 SAE 0W-20

SYNTHETIC MID SAPS ENGINE OIL

APPLICATIONS

FREEWAY INITIAL LL 0W-20 is a fuel-economy synthetic engine oil with SAE 0W-20 viscosity, specifically developed for passenger cars and light commercial vehicles equipped with the latest exhaust after-treatment systems, including three-way catalytic converters (TWC), diesel oxidation catalysts (DOC), gasoline particulate filters (GPF) and diesel particulate filters (DPF).

FREEWAY INITIAL LL 0W-20 is particularly recommended for BMW and MINI gasoline engines requiring an engine oil meeting the BMW Longlife-17 FE+ specification, including engines equipped with a Gasoline Particulate Filter (GPF).

It is also recommended for gasoline and diesel engines whenever the vehicle manufacturer specifies the use of an SAE 0W-20 engine oil meeting the specifications listed below.

PERFORMANCE

Classifications :	ACEA C6-23 ILSAC GF-7a API SQ	ACEA C5-23 ILSAC GF-6a API SP	API SP-RC
Specifications:	MB 229.71	MB 229.72	FIAT 9.55535-GSX
	BMW LL 17 FE + (backward compatible with BMW Longlife-14 FE+)		
	Chrysler MS-12145	STJLR 03.5006-16	
	Ford WSS-M2C947-B1	Ford WSS-M2C-962-A1	

CUSTOMER BENEFITS

Fuel Economy • Extended After-Treatment System Life

- Advanced additive technology specifically formulated to help prevent Low-Speed Pre-Ignition (LSPI).
- Improved fuel economy through its low HTHS viscosity and SAE 0W-20 viscosity grade.
- Mid SAPS technology ensures optimum performance and long-term protection of the latest exhaust after-treatment systems.
- Excellent shear stability provides reliable lubrication even under high operating temperatures.
- Reduced engine friction for smoother operation and enhanced overall engine efficiency.

Important: *Certain engines are not designed for the use of this type of lubricant. Always refer to the vehicle owner's manual before use. This product must not be used in BMW M Series engines.*

 CHARACTERISTICS

	Method	Units	Values
Density at 15°C	ASTM D4052	-	0.842
Viscosity at 100°C	ASTM D445	mm²/s	7.9
Viscosity at 40°C	ASTM D445	mm²/s	39.4
Viscosity index	ASTM D2270	-	177
CCS Viscosity at -35°C	ASTM D5293	mPa.s	5160
Total Base Number (TBN)	ASTM D 2896	mg KOH/g	7.7

The values shown above are typical characteristics provided for information purposes only.

 RECOMMENDATIONS**Shelf Life:**

36 months when stored in tightly sealed original containers under normal storage conditions.

Storage Conditions:

Store the product at ambient temperature in a clean, dry environment protected from water, dust, and moisture. Storage temperatures should not exceed 50°C. Avoid prolonged exposure to direct sunlight, extreme cold, or significant temperature fluctuations.

 HEALTH, SAFETY & ENVIRONMENT

Health and safety recommendations for this product are provided in the Safety Data Sheet (SDS), available upon request and on the HAFA website.

This product should only be used for its intended purpose. Dispose of used oil responsibly and in accordance with applicable local environmental regulations.