



Product Name: BETTANO Gasoline Engine Oils (Fully Synthetic)

Application:

- BETTANO is recommended for new generation naturally aspirated, turbocharged and supercharged gasoline engines in passenger cars and SUVs.
- Delivers outstanding lubrication in all types of automotive gasoline engines.
- It meets performance requirements of most European, Japanese, and American passenger car manufacturers.

Performance Benefits:

- * Excellent low temperature palpability and engine cold start.
- * Low friction and low viscosity helps in fuel economy
- * Reliable protection against wear and corrosion in severe condition of urban cycle.
- * Up to twice as effective at removing sludge from dirty engines compared with normal mineral oil.
- * Lubricant performance sustained over time for extended oil change intervals.

Performance Level: Recommended for the below performance levels / grades:

- ❖ API Service Category SN/CF
- ❖ ILSAC GF-5 (SAE 5W-30)
- ❖ ACEA A3/B4-12,
- ❖ Porsche A40
- ❖ MB 226.5/229.1/229.3/229.5
- ❖ MB 229.31/229.51 (5W-XX)
- ❖ Renault RN0700/RN0710
- ❖ VW 502 00 / 505 00
- ❖ Ford WSS-M2C937-A
- ❖ GM Dexos 2 (5W-XX)

Typical Properties:

SAE Grade	Method	5W-30	5W-40	10W-40
Appearance		B&C	B&C	B&C
Density @15°C, gm/ml	ASTM D-1298	0.858	0.860	0.865
Viscosity @100°C, cSt	ASTM D-445	11.2	15.8	16.2
Viscosity @40°C, cSt	ASTM D-445	72.4	107.8	110.3
Viscosity Index	ASTM D-2270	149.3	156.2	157.9
Flash point, COC, °C	ASTM D-92	216	220	220

Pour point, °C	ASTM D-97	-30	-30	-30
Total Base Number	ASTM D-2896	7.8	7.8	8

Product Name: BETTANO Gasoline Engine Oils(Mineral)

Application:

- BETTANO is a unique engine lubricant specially formulated to meet the high-performance requirements of the latest models of cars and trucks.
- It meets performance requirements of most European, Japanese, and American passenger car manufacturers.

Performance Benefits:

- * Specially designed to control sludge formation ensuring a long life for engines.
- * Excellent for all weather performance due to improved cold weather properties.
- * Potential to double the oil drain intervals compared to current engine oils.
- * Provides outstanding anti-wear, anti-oxidation, anti-foam, anti-rust and anti-corrosive properties.
- * High engine cleanliness.

Performance Level: Recommended for the below performance levels / grades:

- ❖ API Service Category SM/CF, SL/CF
- ❖ MB 229.1

- ❖ ACEA A3/B3
- ❖ VW 501 01 / 505 00

Typical Properties:

SAE Grade	Method	20W-50
Appearance		B&C
Density @15°C, gm/ml	ASTM D-1298	0.888
Viscosity @100°C, cSt	ASTM D-445	20.33
Viscosity @40°C, cSt	ASTM D-445	186.86
Viscosity Index	ASTM D-2270	126.9
Flash point, COC, °C	ASTM D-92	222
Pour point, °C	ASTM D-97	-21

Total Base Number	ASTM D-2896	8.1
-------------------	-------------	-----