

## Technical Data Sheet

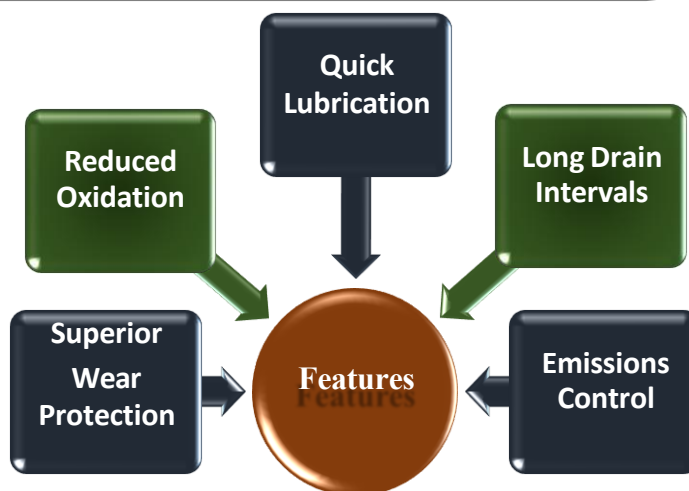
### Castillo Gasoline Engine Oil 5W-20 Synthetic

#### Description

Castillo Gasoline Engine Oil 5W20 - Synthetic is a premium lubricant engineered to provide exceptional protection and performance for modern gasoline-powered engines. Its advanced, synthetic formulation ensures smooth flow at low temperatures for rapid engine lubrication during cold starts while maintaining stability under high heat conditions. This oil offers excellent wear protection, reducing friction to enhance fuel efficiency and maintain engine cleanliness by minimizing deposits and sludge.

#### Applications

Castillo Gasoline Engine Oil 5W20 - Synthetic is versatile in its applications. It excels in modern passenger cars and trucks, ensuring swift engine lubrication during cold starts, improved fuel efficiency, and extended engine life. Whether you have a compact sedan or a larger SUV, Castillo 5W20 synthetic oil is the choice for optimal engine performance, fuel efficiency, and long-term engine health.



#### Performance Levels

Castillo Gasoline Engine Oil 5W20 meets these performance standards: API SN, SM, SL, SJ, VW 500.00, and 505.00, CCMC-D4/D5, ACEA E3-96, and MB 229.3.

#### Typical Physical Properties

| Test                           | Test Method | Results |
|--------------------------------|-------------|---------|
| SAE Grade                      |             | 5W20 SN |
| Appearance                     | ASTM D 4176 | C & B   |
| Color                          | ASTM D 1500 | L2.0    |
| Density @ 15 deg C             | ASTM D 1298 | 0.86    |
| Kinematic Viscosity@40°C, cSt  | ASTM D 445  | 54      |
| Kinematic Viscosity@100°C, cSt | ASTM D 445  | 8.8     |
| Viscosity Index                | ASTM D 2270 | 139     |
| Flash Point (COC), °C          | ASTM D 92   | 220     |
| Pour Point , °C                | ASTM D 97   | -40     |
| Total Base Number, mgKOH/g     | ASTM D 2896 | 7       |

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