



AMALIE Imperial Turbo Formula 20W-50

(05/17/21 edition)

AMALIE Imperial Turbo Formula 20W-50 is formulated to exceed the latest API SP engine oil categories. Incorporating high viscosity index base oils, shear stable viscosity modifiers and the latest additive technology, it is specifically formulated for the rigorous environment of gas-direct engine (GDI) and turbo gas-direct engine (TGDI) designs as well as providing increased protection for carbureted or normally fuel injected engines. AMALIE Imperial Turbo Formula 20W-50 offers improved performance for wear control, oxidative stability, piston cleanliness, and chain wear over previous API oil categories. Always consult your vehicle's owner's manual when selecting the appropriate viscosity and service grade.

Benefits:

- LSPI (Low Speed Pre-Ignition) Protection Throughout the Drain Interval.
- GPF (Gas Particulate Filter) Compatible.
- Excellent Oil Thickening Control.
- Increased Wear Protection.
- Improved Deposit Control.
- Protection Across a Wide Temperature Operating Range.

Typical Physical and Chemical Properties

Viscosity Grade.....	20W-50
Kinematic Viscosity @100°C, cSt.....	18.0
Kinematic Viscosity @40°C, cSt.....	157.5
Viscosity Index.....	127
Cold Cranking Viscosity, cP @ (-15°C).....	5500
Flash Point, °C (°F).....	244 (471)
Pour Point, °C (°F).....	-33 (-27)
Density, S.G.....	0.879
MRV, cP @ (-20°C)	19,900

Typical values are listed. Variations not affecting the performance of this fluid may occur during production.

Approvals and Recommendations

Recommended for Service fill applications for Ford, Chrysler, GM, Honda, Toyota, Hyundai, Nissan, and other Asian or European brands when 20W-50 API SP, SN / SN Plus, SN, SM/CF or previous category engine oil is specified.

Health and Safety

Safety Data Sheets (SDS) are available on line at AMALIE.com or from your AMALIE Representative.