

# AMALIE

Better than it has to be®  
Since 1903



NOT RECOMMENDED FOR  
PASSENGER CARS

## IMPERIAL®

# TURBO FORMULA

# SAE 20W-50

## MOTOR OIL

API: SP, SN/SN Plus

### 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



For Gasoline and Diesel Engines

MADE IN U.S.A.



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**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.

### TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Viscosity Grade.....	SAE 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; however, these variations will not fall outside of set specification parameters.

Please consult AMALIE Technical Services or your local representative for a full listing of applications.

Technical Services: • (800) 368-1264 • [techservices@amalie.com](mailto:techservices@amalie.com)

### IMPERIAL TURBO FORMULA

VISCOSITY	PACK SIZE	PART #
20W-50	12-1 Quart	160-71096-56
	4-1 Gallon	160-71097-36
	55 Gallon	160-71093-05

Always refer to your vehicles operating manual to select the correct grade of oil for your engine. The data presented herein are believed to be accurate; however, Amalie Oil Company shall not be liable for its content and makes no warranty with respect thereto.

### Health and Safety

Safety Data Sheets (SDS) are available from your sales representative or at [AMALIE.com](http://AMALIE.com).

### APPLICATIONS

AMALIE IMPERIAL TURBO FORMULA 20W-50 is 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.

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