



FormulaShell[®] Synthetic 5W-20 Motor Oil

Full Synthetic Motor Oil

Meets API Service Categories SN, SM, SL etc. and Resource Conserving ILSAC GF-5 specifications.
Has enhanced wear protection and outstanding resistance to thermal breakdown at operating temperatures.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

Compared to conventional oils:

- Excellent lubrication at extremely low temperatures
- Our best engine protection at extremely high temperatures
- Lower oil consumption under high speed conditions
- Protection against harmful deposits and acids, which aids in a clean running and lasting engine
- Reduced volatility, less top-up.
- May be used at any time in an engine's life-cycle and is fully compatible with conventional engine oils.

FORMULASHELL[®] SYNTHETIC MOTOR OIL meets or exceeds the North American warranty requirements for U.S., European and Japanese cars and light trucks with gasoline and gasoline turbo-charged engines where API SN with Resource Conserving, SN, SM, SL, SJ etc. oils are specified.

Main Applications

FORMULASHELL[®] SYNTHETIC MOTOR OIL is formulated for improved fuel economy and to provide engine protection and performance required by modern engines.

Typical Physical Characteristics

Properties		Method	FormulaShell [®] Synthetic Motor Oil
SAE Viscosity Grade			5W-20
API Service Category			SN
ILSAC			GF-5
Density	kg/m ³	ASTM D4052	834
Flash Point	°C	ASTM D93	227
Pour Point	°C	ASTM D97	-45
Viscosity	@40°C mm ² /s	ASTM D445	46.2
Viscosity	@100°C mm ² /s	ASTM D445	8.4
Viscosity Index		ASTM D2270	159
CCS Viscosity	@-30°C cP	ASTM D5293	3,530
MRV Viscosity	@-35°C cP	ASTM D4684	8,100

FORMULASHELL[®] SYNTHETIC MOTOR OIL is compatible with other conventional and synthetic oils. It exceeds all automobile and light truck warranty requirements for gasoline and turbocharged engines where API SN and ILSAC GF-5 oil is recommended.

Specifications, Approvals & Recommendations

- GM 6094M
- Chrysler MS-6395
- Ford WSS-M2C945-A & WSS-M2C930-A

Exceeds the requirements of the following industry specifications:

- API SN and all previous categories
- ILSAC GF-5

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Help Desk.

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.

Health, Safety & Environment

- **Health and Safety**

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet, which can be obtained from <http://epc.shell.com>

- **Protect the Environment**

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Additional Information

- **Advice**

Advice on applications not covered here may be obtained from your Shell or Shell Lubricants distributor representatives or technical help desks.

Always follow manufacturer's recommendations and specifications for viscosity grade and API service.