



# FormulaShell<sup>®</sup> Synthetic 10W-30 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<sup>®</sup> 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<sup>®</sup> SYNTHETIC MOTOR OIL is formulated for improved fuel economy and to provide engine protection and performance required by modern engines.

FORMULASHELL<sup>®</sup> SYNTHETIC MOTOR 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
- 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.

#### Typical Physical Characteristics

Properties			Method	FormulaShell <sup>®</sup> Synthetic Motor Oil
SAE Viscosity Grade				10W-30
API Service Category				SN
ILSAC				GF-5
Density	kg/m <sup>3</sup>		ASTM D4052	838
Flash Point	°C		ASTM D93	228
Pour Point	°C		ASTM D97	-39
Viscosity	@40°C	mm <sup>2</sup> /s	ASTM D445	62.76
Viscosity	@100°C	mm <sup>2</sup> /s	ASTM D445	10.3
Viscosity Index			ASTM D2270	152
CCS Viscosity	@-25°C	cP	ASTM D5293	3,880
MRV Viscosity	@-30°C	cP	ASTM D684	7,300

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 (MSDS), 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.

