Technical Data Sheet

FormulaShell® SAE 30 *Conventional Motor Oil*

Conventional Motor Oil

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

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

FORMULASHELL® CONVENTIONAL MOTOR OIL meets or exceeds the North American warranty requirements for U.S., European and Japanese cars and light trucks and small power equipment, generators, and off-road equipment with gasoline and gasoline turbo-charged engines where API SN, SM, SL, SJ etc. oils are specified. Benefits are as follows:

- Protection for extremely high temperatures.
- Protection against harmful deposits and acids, which aids in a clean running and lasting engine.
- May be used at any time in an engines life-cycle and is fully compatible with conventional engine oils.

Main Applications

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

FORMULASHELL® CONVENTIONAL 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 an API SN oil is recommended.

Specifications, Approvals & Recommendations

Exceeds the requirements of the following industry specifications:

- API SN and all previous categories

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

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

Typical Physical Characteristics

Properties			Method	FormulaShell® Conventional Motor Oil
SAE Viscosity Grade				30
API Service Category				SN
ILSAC				-
Density		kg/cm^3	ASTM D4052	873
Flash Point		^{0}C	ASTM D93	232
Pour Point		^{0}C	ASTM D97	-30
Viscosity	@40^{0}C	mm^2/s	ASTM D445	95.0
Viscosity	@100^{0}C	mm^2/s	ASTM D445	11.6
Viscosity Index			ASTM D2270	111
CCS Viscosity		cP	ASTM D5293	-
MRV Viscosity		cP	ASTM D4684	-

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 your Shell representative.

- **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 representative.