Technical Data Sheet

Shell **Rimula** *R2 NG 15W-40*

- *LNG/CNG Applications*

Natural Gas Engine Oil

Shell Rimula R2 NG oils adapt and protect under the full range of pressures and temperatures found in natural gas fuelled engines. It allows cost competitive supply of oils. Suitable for use in LNG/CNG powered engines.

DYNAMIC PROTECTION

Performance, Features & Benefits

- **Good piston & engine cleanliness**

  Optimised balance of detergency and dispersancy provides good piston and engine cleanliness ensuring efficient engine operation.

- **Ignition system protection**

  Proven in real-world applications, Shell Rimula R2 NG oils have been shown to be compatible with spark-ignition systems found in LNG/CNG engines ensuring reliable ignition and engine operation.

- **Good wear protection**

  Contains an optimized active anti-wear system that balances the more demanding requirements of on-highway applications (compared to stationary gas engine) with the need to minimize spark plug fouling.

- **Dedicated LNG/CNG engine oil performance**

  Suitable for many buses and trucks fitted with engines designed to run on 100% LNG/CNG.

  Given the wide range of engine types and operating conditions in the field, we recommend the use of a lubricant analysis program such as Shell LubeAnalyst and engine inspection program such as Shell LubeVideoCheck to optimize the use of Shell Rimula R2 NG in specific customer applications.

  When Cummins CES 20074 oils are recommended by the OEMs please use Rimula R3 NG 15W-40.

Specifications, Approvals & Recommendations

- API CF

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

Main Applications





Typical Physical Characteristics

Properties			Method	Shell Rimula R2 NG 15W-40
Kinematic Viscosity	@40°C	cSt	ASTM D445	100
Kinematic Viscosity	@100°C	cSt	ASTM D445	14.5
Viscosity Index			ASTM D2270	149
Density	@15°C	kg/l	ASTM D4052	0.890
Flash Point (COC)		°C	ASTM D92	225
Pour Point		°C	ASTM D97	-27

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**

  Shell Rimula R2 NG 15W-40 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://www.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 representative.