



Shell Rimula R3 NG 15W-40

• LNG/CNG Applications

Natural Gas Engine Oil

Shell Rimula R3 NG oil is specially formulated to adapt and protect under the full range of pressures & temperatures in natural gas engines suitable for mobile vehicles operating with 100% LNG/ CNG fuel, approved for use in Cummins LNG/CNG engines.



Performance, Features & Benefits

- **Superior piston & engine cleanliness**
Optimised balance of detergency and dispersancy provides good piston and engine cleanliness ensuring long and efficient engine operation.
- **Ignition system protection**
Optimised formulation with reduced levels of “ash” containing additives to control deposit formation in the combustion chamber to help prolong the life of valves and spark plugs.
- **Superior 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.

Main Applications



- **Mobile LNG / CNG fuelled heavy duty vehicles**
For buses and trucks fitted with engines designed to run on 100% LNG / CNG Shell Rimula R3 NG is suitable for mobile Gas engines, particularly those preferring relatively low ash formulations.

Specifications, Approvals & Recommendations

- Cummins CES 20074
For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

Typical Physical Characteristics

Properties			Method	Shell Rimula R3 NG 15W-40
Kinematic Viscosity	@40°C	mm ² /s	ASTM D445	107
Kinematic Viscosity	@100°C	mm ² /s	ASTM D445	14.5
Total Base Number TBN - E		mg KOH/g	ASTM D2896	5.71
Sulphated Ash		%	ASTM D874	0.56
Phosphorus, Max % wt			ASTM D4952	0.085
Flash Point (COC)		°C	ASTM D92	200
Pour Point		°C	ASTM D97	-32
Density	@15°C	kg/l	ASTM D4052	0.882

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 R3 NG Oil 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 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.