



Shell Rotella T5 NG 15W-40

• Synthetic Technology Gas Engine Oil

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Shell Rotella T5 NG oil is specially formulated to provide hard working protection 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.

If further information is required please contact the Owning Product Manager or Deputy Product Manager as indicated in the GPC

Performance, Features & Benefits

- **Advanced piston & engine cleanliness**
Optimized balance of detergent and dispersancy provides good piston and engine cleanliness ensuring long and efficient engine operation.
- **Ignition system protection**
Optimized formulation containing additives to control deposit formation in the combustion chamber to help prolong the life of valves and spark plugs.
- **Advanced 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.
- **Extended Oil drain capability**
Optimised formulation based high quality base oils that deliver extended oil drain capability extension when compared to fully mineral products.

Main Applications



Mobile LNG / CNG fuelled heavy duty vehicles

- For buses and trucks fitted with engines designed to run on 100% LNG / CNG Shell Rotella T5 NG is suitable for mobile Gas engines, particularly those preferring medium ash formulations

Specifications, Approvals & Recommendations

- **Cummins CES 20085**
- For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Help Desk.

Typical Physical Characteristics

Properties			Method	Rotella T5 NG 15W-40
Kinematic Viscosity	@104°F	mm ² / s	ASTM D445	110.9
Kinematic Viscosity	@212°F	mm ² / s	ASTM D445	15.15
Total Base Number TBN - E		mg KOH/ g	ASTM D2896	6.45
Sulphated Ash		%	ASTM D874	0.85
Phosphorus, Max % wt			ASTM D4952	0.08
Flash Point (COC)		°F	ASTM D92	413.6
Pour Point		°F	ASTM D97	-49
Density	@15°C	kg/ l	ASTM D4052	0.863

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 Rotella T5 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 Material Safety Data Sheet, which can be obtained from 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.

