



# Shell Rotella T6 0W-40

## Fully Synthetic Heavy Duty Diesel Engine Oil

Shell ROTELLA® T6 full synthetic heavy duty engine oil with Triple Protection Plus™ technology has been enhanced with fully synthetic base oil plus advanced additive technology to provide protection against wear, deposits and oil breakdown PLUS better low temperature flow\*.



### Performance, Features & Benefits

- Shell ROTELLA® T6 heavy duty engine oil with Triple Protection Plus™ technology is designed to provide hard working protection under the most severe engine conditions found in modern low emission engines. The exclusive low ash formulation helps protect the exhaust catalysts and particulate filters found on the latest low emission vehicles.
- Key benefits include; protection in extreme operating conditions, including cold temperatures, improved wear performance, deposit control, and compatibility with exhaust emissions control systems.
- **Improved wear performance**  
Provides a significantly increased level of protection against harmful engine wear when compared to previous generation API CJ-4 engine oils.
- **Improved deposit control**  
The advanced multi-functional dispersant additives in combination with synthetic base oils provide an enhanced level of protection against the effects of soot, dirt and other contaminants.
- **Improved heat resistance**  
Shell ROTELLA® T6 full synthetic heavy duty engine oil resists breakdown by heat to provide continuous protection throughout the service interval.
- **Protection in extreme climates**  
Shell ROTELLA® T6 Synthetic heavy duty engine oil provides improved low temperature flow compared to a conventional SAE 15W-40\*.

### Emissions system compatibility

Advanced low-ash formulation helps control blocking of or poisoning of exhaust after-treatment devices, helping maintain vehicle emission compliance and engine fuel efficiency.

### Main Applications



### Heavy Duty Engines

Suitable for on-road and off-road applications requiring a CK-4 oil including equipment that is exposed to extreme low temperature operations.

### Specifications, Approvals & Recommendations

- API CK-4, CJ-4
- Caterpillar ECF-3, ECF-2, ECF-1A
- Cummins CES 20086
- Ford WSS-M2C171-F1
- Mack EO-S 4.5
- Volvo VDS-4.5, VDS-4

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

## Typical Physical Characteristics

Properties			Method	Shell ROTELLA® T6 0W-40
Kinematic Viscosity	@ 40°C	mm <sup>2</sup> /s	ASTM D445	75
Kinematic Viscosity	@ 100°C	mm <sup>2</sup> /s	ASTM D445	13.2
Density	@ 15°C	kg/m <sup>3</sup>	ASTM D4052	845
Dynamic Viscosity	@ -35°C	mPa s	ASTM D5293	6 000
Flash Point		°C	ASTM D92	226

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® T6 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 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.