



Shell Rotella T5 15W-40 (CJ-4)

- Low Emissions

Synthetic Blend Technology Heavy Duty Diesel Engine Oil

Shell Rotella® T5 Energized Protection oil features “Low-SAPS” additive technology for increased Compatibility with the latest exhaust emissions control systems. Protective power is further enhanced through the use of synthetic base oil technology while maintaining an SAE 15W-40 viscosity grade..



Performance, Features & Benefits

- **Emissions system Compatibility**
Advanced low-ash formulation helps control the blocking or poisoning of exhaust after-treatment devices, helping maintain vehicle emission compliance and engine fuel efficiency.
- **Synthetic Blend**
The use of synthetic base oil components provides Shell Rotella® T5 with the capability to improve cold starting and low temperature performance, without compromising engine protection or durability.
- **Improved engine cleanliness**
The advanced formulation delivers good Engine cleanliness and protection against piston deposits ensuring Engine and component reliability at extended oil drain intervals.

- **Low emission engine use**
Shell Rotella® T5 meets the requirements of the major US engine manufacturers for low emission applications.

Specifications, Approvals & Recommendations

- API CJ-4, SM
 - Caterpillar ECF-3, ECF-2
 - Cummins CES 20081
 - DDC 93K218
 - Ford WSS-M2C171-E
- For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Help Desk.

Main Applications



Typical Physical Characteristics

Properties			Method	Shell Rotella T5 15W-40 (CJ-4)
SAE Viscosity Grade				15W-40
Kinematic Viscosity	@ 40°C	mm ² /s	ASTM D445	111.3
Kinematic Viscosity	@ 100°C	mm ² /s	ASTM D445	14.5
Dynamic Viscosity	@ -20°C	mPAs	ASTM D5293	6400
Viscosity Index			ASTM D2270	135
Total Base Number	mgKOH/g		ASTM D2896	10
Sulfated Ash	%		ASTM D874	1.0
density	@ 15°C	kg/l	ASTM D4052	0.873
Flash Point (COC)	°C		ASTM D92	230
Pour Point	°C		ASTM D97	-39

These characteristics are typical of current production. While future production will conform to Shell's specification, variations in these characteristics may occur.

Health, Safety & Environment

Health and Safety

- Shell Rotella® T5 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 authorized collection point. Do not discharge into drains, soil or water.

Additional Information

Advice

- Product recommendations for applications and specifications not covered here may be obtained from your Shell representative.