



Shell Rotella® T5 SAE 15W-40 (CJ-4)

- *Low Emissions*

Synthetic Blend Technology Heavy Duty Diesel Engine Oil

Shell Rotella® T5 Energised 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

Specifications & Approvals
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 Helpdesk, or the OEM Approvals website.

Main Applications



Health, Safety & Environment

- **Health & 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 industrial and 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 & Safety is available on the appropriate Material Safety Data Sheet, which can be obtained from your Shell representative..

- **Protect the Environment**

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

Additional Information

- **Advice**

Advice on applications not covered in this leaflet may be obtained from your Shell Representative.

Typical Physical Characteristics

Properties	Method	Shell Rotella T5 15W-40 (CJ-4)
SAE Viscosity Grade		15W-40
Kinematic Viscosity @ 40C mm ² /s	ASTM D445	111.3
Kinematic Viscosity @ 100C mm ² /s	ASTM D445	14.5
Dynamic Viscosity @ -20C mPA s	ASTM D5293	6400
Viscosity Index	ASTM D2270	135
Total Base Number mg KOH/g	ASTM D2896	10
Sulfated Ash %	ASTM D874	1.0
Density @15C 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. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.