Technical Data Sheet

Shell ROTELLA® *T6 15W-40*

Fully Synthetic Heavy Duty Diesel Engine Oil

Shell ROTELLA® T6 15W-40 full synthetic heavy-duty diesel engine oil with Triple Protection Plus™ has been enhanced with fully synthetic base oils plus advanced additive technology to provide the performance you expect from a full synthetic engine oil in the viscosity grade you prefer and trust.

Performance, Features & Benefits

- Extended drain capable
- Delivers improved oxidation performance vs API CJ-4 technology
- Compatibility with exhaust emissions control systems
- Improved wear performance versus API CJ-4 technology
- Protection in extreme operating conditions and extreme climates

Main Applications

- **For new and older diesel powered vehicles**

  Suitable for new and older diesel powered vehicles from Class 8 tractor/trailers to heavy duty pickups, delivery, utility and school bus fleets. Suitable as a replacement for mineral and synthetic based SAE 15W-40 API CK-4, CJ-4 oils.

- Meets or exceeds diesel engine requirements of API CK-4, Cummins, Caterpillar, Detroit Diesel, Mack, Mercedes Benz, Volvo and Allison.

Specifications, Approvals & Recommendations

- API CK-4, CJ-4, CI-4 Plus, CI-4, CH-4, SN
- ACEA E11
- JASO DH-2, MA/MA2
- Caterpillar ECF-2, ECF-3
- Cummins CES 20086, 20081
- Detroit Fluids Specification (DFS) 93K222, 93K218
- MACK EOS-4.5
- DTFR 15C100 (prev. MB 228.31)
- Volvo VDS-4.5
- Allison TES 439
- MAN M 3775
- Ford WSS-M2C171-F1

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

Typical Physical Characteristics

Properties			Method	Shell Rotella T6 15W-40
Kinematic Viscosity	@ 40°C	mm^2/s	ASTM D445	103.8
Kinematic Viscosity	@ 100°C	cSt	ASTM D445	14.7
CCS Viscosity	@-20°C	cP	ASTM D2270	4 400
Viscosity Index			ASTM D2270	146
Density	@ 15°C	kg/m^3	ASTM D4052	855
Flash Point (COC)		°C	ASTM D92	249
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.

Health, Safety & Environment

- **Health and Safety**

  This product 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 https://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.