



- Reliable Lubrication

Shell Rotella® T1 40

High Quality Heavy Duty Diesel Engine Oils

Shell Rotella® T1 oils use performance additives to fight engine wear and prevent deposits, providing reliable lubrication.

Performance, Features & Benefits

- **Reliable performance**

Provide reliable all-year-round performance in the applications for which they are intended.

- **Proven durability**

Shell Rotella® T1 provides excellent wear protection that promotes engine durability. It has a low ash content which minimizes the formation of deposits and keeps intake ports clean. It offers excellent rust and corrosion protection for critical engine parts.

- **Heavy duty diesel engines**

Shell Rotella® T1 is suitable for mixed fleets combining large over the road diesel trucks with smaller diesel and gasoline-fuelled light trucks and passenger cars.

- Shell Rotella® T1 is suitable for heavy equipment used for construction, mining or quarry operations.

- **Hydraulic and transmissions**

Shell Rotella® T1 oils can be used in certain transmission and mobile hydraulic systems where the equipment manufacturer recommends use of monograde engine oils.

Main Applications



Specifications, Approvals & Recommendations

- API CF-2, CF
- API SL

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

Typical Physical Characteristics

Properties			Method	Shell Rotella® T1 40
SAE Viscosity Grade				40
Kinematic Viscosity	@40°C	cSt	ASTM D445	142
Kinematic Viscosity	@100°C	cSt	ASTM D445	14.6
Viscosity Index			ASTM D2270	102
Density	@15°C	kg/l	ASTM D4052	0.886
Total Base Number			ASTM D2896	8.9
Flash Point (Cleveland Open Cup)			ASTM D92	267
Pour Point			ASTM D97	-26

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® T1 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 <http://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.