



# Shell Rotella® T1 30 (CF/CF-2)

• *Reliable Lubrication*

*High Quality Heavy Duty Diesel Engine Oils*

Shell Rotella® T1 Energized Protection™ oils use well-proven performance additives to fight engine wear and prevent deposits, providing reliable lubrication and consistent performance. Suitable for day to day use in turbo and non-turbocharged older engines.



## 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.

- Shell Rotella® T1 is suitable for heavy equipment used for construction, mining or quarry operations.
- Shell Rotella® T1 30 is suitable for use in Detroit Diesel two-cycle engines (Series 53, 71 and 92).
- **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



### • 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.

## Specifications, Approvals & Recommendations

- API CF-2, CF
- Detroit Diesel Series 53,71,92

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

## Typical Physical Characteristics

Properties			Method	Shell Rotella T1 30 (CF/CF-2)
SAE Viscosity Grade			J300	30
Kinematic Viscosity	@104°F	cSt	ASTM D445	107
Kinematic Viscosity	@212°F	cSt	ASTM D445	11.9
Viscosity Index			ASTM D2270	101
Density	@15°C	kg/l	ASTM D4052	0.887
Total Base Number			ASTM D2896	7.5
Flash Point (Cleveland Open Cup)			ASTM D92	410
Pour Point			ASTM D97	-11.2

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 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 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**

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