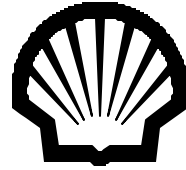


# Rotella TX

## High performance diesel engine oils



Rotella TX Oils are high quality diesel engine oils blended for use in high-speed, naturally aspirated and moderately rated turbocharged units.

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### Applications

- **Automotive diesel engines**  
Rotella TX Oils are advanced diesel engine oils designed for the lubrication of units burning low sulphur, distillate fuels.
- **Gasoline engine performance**  
Although not designed specifically for four-stroke gasoline engines Rotella TX Oils may be used for this purpose, in certain cases, e.g. old fleets with mixed engines.
- **Long distance operations**  
Long distance trucking and similar 'constant speed' on road operations.

### Performance Features

- **Controlled engine deposits**  
Rotella TX Oils incorporate an advanced detergent additive system to control piston deposits and maintain good standards of engine cleanliness.
- **Dependability**  
Over many years, Rotella TX Oils have built a reputation for dependability.
- **High TBN retention**  
Excellent Total Base Number (TBN) retention to ensure protection throughout the oil drain period.
- **Good engine protection**  
Enhanced protection against corrosion and wear.
- **Oxidation resistant**  
High resistance to oxidation and thermal degradation ensuring long oil life and low tendency for deposit formation.

### Performance Specifications

Rotella TX Oils are blended to meet API Service Classification CF.

### Grade selection

Climatic conditions must be considered when selecting viscosity grade by reference to local OEM specifications.

### Oil drain intervals

The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel injection is used.

### Small diesel engines

Small and indirect injection diesel engines which power some light commercial vehicles and cars impose high levels of combustion contaminants on the oil, especially if the operating duty is intermittent and light. Rotella TX Oils are ideal for most of these engines, especially under cold starting conditions. Their excellent dispersancy and high resistance to thickening combat churning losses, speeding start-up and the flow of oil to vital moving parts.

### Available Viscosities

A wide selection of multi and monogrades.

### Health & Safety

Rotella TX Oils are 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.

For further guidance on Product Health & Safety refer to the appropriate Shell Product Safety Data Sheet.

**Protect the environment**

Take used oil to an authorised collection point. Do not

discharge into drains, soil or water.

**Advice**

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

**Typical Physical Characteristics**

Rotella TX	10W	20W-20	30	40	50	10W-30	15W-40	20W-40	20W-50
<b>SAE Viscosity Grade</b>	10W	20W-20	30	40	50	10W-30	15W-40	20W-40	20W-50
<b>Kinematic Viscosity</b> @ 40°C cSt 100°C cSt (IP 71)	43.5 7.0	68 8.8	88.7 11.0	140 14.5	212 19.0	65 10.8	100.1 14.5	110 14.2	140 19.0
<b>Viscosity Index</b> (IP 226)	100	102	106	107	103	135	135	131	130
<b>Density</b> @ 15°C kg/l (IP 365)	0.876	0.884	0.891	0.895	0.900	0.879	0.890	0.894	0.894
<b>Flash Point °C</b> (Cleveland Open Cup) (IP 36)	204	210	213	216	216	199	199	199	199
<b>Pour Point °C</b> (IP 15)	-30	-18	-15	-9	-9	-30	-27	-18	-18

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

