



# SHELL ROTELLA<sup>®</sup> T

## SINGLE GRADE OILS

### High performance mixed fleet engine oils

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#### Product Description

Shell Rotella<sup>®</sup> T Single Grade Oils are high quality single grade oils blended to provide excellent performance in diesel engines of many major manufacturers and in many gasoline, LPG or LNG engines (follow the correct performance grade/viscosity/temperature guidelines). Additionally, for heavy duty transmission applications, the SAE 10W and 30 grades are suitable for use in applications specifying the use of Caterpillar TO-2 and Allison's C-4 performance fluids. .

#### Applications

- mixed fleets combining large over-the-road diesel trucks with smaller diesel and gasoline-fueled light trucks and passenger cars
- heavy equipment used for construction, mining or quarry operations – in engines, transmissions and hydraulic systems
- Detroit Diesel two-cycle engines (series 53, 71 and 92)
- heavy-duty, automatic and powershift transmissions specifying an Allison C-4 fluid or use of API CF-4, CF-2, CF or obsolete CE, CD and CC engine oils
- farm equipment with diesel or gasoline engines
- mobile, marine and stationary diesel engines (except those with silver bearings) in severe service or applications calling for API CF-4 or CF-2 engine oil

#### Features/Benefits

- have excellent wear protection that promotes engine durability
- low ash content minimizes formation of deposits and keeps intake ports clean
- outstanding oxidation resistance maximizes service life
- excellent rust and corrosion protection of critical engine parts
- high dispersancy-detergency protects against engine sludge and varnish deposits

## Approvals and Recommendations

<b>Shell Rotella® T SAE</b>	<u>10W</u>	<u>20</u>	<u>30</u>	<u>40</u>	<u>50</u>
• API, CF	X	X	-	-	-
• API CF-4, CF-2, CF, SJ	-	-	X	X	-
• API CF-2, CF, SJ	-	-	-	-	X
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• Mack EO-K/2, EO-K	-	X	X	-	-
• Detroit Diesel Series 53,71,92	-	-	X	X	X
• MIL-L-2104 F (& B,C,D,E)	X	X	X	X	X
• MIL-L-46152E	X	X	X	X	X
• CID A-A-52306A	-	-	X	X	-
• Allison C-4, C-3	X	-	X	-	-
• CAT TO-2	X	-	X	-	-
• Eaton/Fuller Transmissions	-	-	X	X	X
• Spicer/Dana Transmissions	-	-	X	X	X
• Vickers 35VQ25	X	-	-	-	-

## Typical Properties of Shell Rotella® T Single Grade Oils

	Test Method	SAE Grade				
		10W	20	30	40	50
Product Code		54101	54102	54103	54104	54105
Viscosity: @ 100°C, cSt	D 445	6.5	7.6	10.9	14.4	19.1
Flash Point, °C (°F)	D 92	207 (405)	210 (410)	232 (450)	238 (460)	241 (465)
Pour Point, °C (°F)	D 97	-30 (-22)	-23 (-10)	-18 (0)	-15 (+5)	-15 (+5)
Neutralization No, TBN-E	D 2896	6.0 min	4.0 min	7.3	7.3	7.3
Sulfated Ash, wt%	D 874	0.90	0.70	1.0	1.0	1.0

## Handling & Safety Information

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at <http://www.equivashellmsds.com>. For more information and availability, call **1+800-782-7852** or visit the World Wide Web: <http://www.shell-lubricants.com> or <http://www.rotella.com>.