













EXPERIENCE THE SHELL ROTELLA® DIFFERENCE

<p>Product/Image</p>	<p>SHELL ROTELLA® T6 FULL SYNTHETIC</p>  <p>TRIPLE PROTECTION PLUS</p>	<p>SHELL ROTELLA® T6 MULTI-VEHICLE FULL SYNTHETIC</p>  <p>TRIPLE PROTECTION PLUS</p>
<p>Viscosity Grades & API Service Classification</p>	<p>5W-40, 0W-40 CK-4, CJ-4, CI-4 Plus, CI-4, CH-4 CJ-4, CI-4 Plus, CI-4, CH-4, SN</p>	<p>5W-30 CK-4, CJ-4, CI-4 Plus, CI-4, CH-4, SN</p>
<p>Product Applications</p>		
<p>Customer Profile</p>	<ul style="list-style-type: none"> ■ For customers who demand maximum protection and value, delivering better wear protection and fuel economy with the SAE 5W-40* ■ For customers that require extreme temperature protection especially in extreme cold weather, particularly with the SAE 5W-40 ■ The 15W-40 viscosity option available for customers that desire the benefits of a full synthetic in this viscosity grade <p><i>*Compared to conventional 15W-40 oil</i></p>	<ul style="list-style-type: none"> ■ For customers who demand our maximum protection and value across all of their vehicles, both diesel engines allowing API CK-4 and gasoline engines allowing API SN ■ Ideal for mixed fleet owners interested in achieving cost advantages by using the same oil in all of their vehicles
<p>Performance Benefits</p>	<ul style="list-style-type: none"> ■ Extended-Drain Capable* ■ Enhanced fuel economy capability of up to 1.5%** ■ Excellent engine cleanliness and wear protection ■ Excellent extreme high-low temperature protection <p><i>*Always follow OEM recommendations and utilize oil analysis when extending drains.</i></p> <p><i>**On Rotella® T6 5W-40, compared to conventional 15W-40 oil</i></p>	<ul style="list-style-type: none"> ■ Extended-Drain Capable* ■ Offers enhanced fuel economy capability of up to 2.8% in heavy duty diesel applications (compared to conventional SAE 15W-40 oils) ■ Excellent engine cleanliness and wear protection ■ Excellent extreme high-low temperature protection ■ Meets API CK-4 for diesel engines and API SN for gasoline engines standards for gasoline engines <p><i>*Always follow OEM recommendations and utilize oil analysis when extending drains.</i></p>
<p>Application Guide</p>	<ul style="list-style-type: none"> ■ Suitable for use in many on and off-highway heavy duty applications and diesel pick-ups* ■ Suitable for modern low-emission, heavy duty engines, especially those with exhaust after-treatment devices operating in extreme hot and cold conditions; improved protection of critical engine parts in extreme cold weather <p><i>*Always follow OEM recommendations</i></p>	<ul style="list-style-type: none"> ■ Provides high quality protection for diesel and gasoline powered engines in various operating conditions, especially for exhaust after-treatment devices operating in extreme temperatures ■ Heavy duty, medium duty & light duty diesel applications, as well as gasoline applications requiring an API SN quality oil
<p>2017 OEM Test/Approvals</p>	<p>Shell Rotella® T6 5W-40 ACEA E9; Allison TES 439; Caterpillar ECF-2, ECF-3; Cummins CES 20086, 20081; Detroit Fluid Specification (DFS) 93K222, 93K218; Ford WSS-M2C171-F1; JASO DH-2; JASO MA, MA2; MACK EOS-4.5; MAN M3575; MB-Approval 228.31; Volvo VDS-4.5, VDS-4</p> <p>Shell Rotella® T6 0W-40 Caterpillar ECF-2, ECF-3; Mack EO-N; Volvo VDS-3</p>	<p>Shell Rotella® T6 Multi-Vehicle 5W-30 ACEA E6; Caterpillar ECF-3, ECF-2; Cummins CES 20086, 20081; Detroit Fluids Specification (DFS) 93K222, 93K218; JASO DH-2; MACK EO-S 4.5, EO-O Premium Plus; MB-Approval 228.51; Volvo VDS 4.5, VDS-4</p>







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<p>Product/Image</p>	<p>SHELL ROTELLA® T5 SYNTHETIC BLEND TECHNOLOGY</p>  	<p>SHELL ROTELLA® T5 ULTRA SYNTHETIC BLEND TECHNOLOGY</p>  
<p>Viscosity Grades & API Service Classification</p>	<p>10W-30, 15W-40 CK-4, CJ-4, CI-4 Plus, CI-4, CH-4</p>	<p>10W-30 FA-4</p>
<p>Product Applications</p>		
<p>Customer Profile</p>	<ul style="list-style-type: none"> ■ For customers who demand excellent protection and value, offering better wear protection than the previous generation of Shell Rotella® T5 and improved fuel economy with the 10W-30 viscosity* ■ For customers interested in lowering operating and maintenance costs ■ The 15W-40 viscosity option available for customers that desire the benefits of a synthetic blend in this viscosity grade <p><i>*Compared to a conventional 15W-40 in heavy duty diesel trucks</i></p>	<ul style="list-style-type: none"> ■ For customers with new, low emission 2017 model year and later engines designed to use an API FA-4 oil ■ For customers who demand increased protection and value, offering 2% fuel-economy savings and lowering total operation and maintenance costs
<p>Performance Benefits</p>	<ul style="list-style-type: none"> ■ Extended Drain Capable* ■ 10W-30 offers fuel economy savings of up to 2%** ■ Enhanced engine cleanliness compared to the legacy formulation ■ 10W-30 offers up to 44% better engine wear protection than the maximum CK-4 wear requirements <p><i>*Always follow OEM recommendations and utilize oil analysis when extending drains</i> <i>**Compared to a conventional 15W-40 in heavy duty diesel trucks</i></p>	<ul style="list-style-type: none"> ■ Enhanced Fuel Economy* ■ Extended Drain Capable** ■ Excellent engine cleanliness and wear protection ■ Resistance to high temperature breakdown <p><i>*Compared to conventional SAE 15W-40</i> <i>**Always follow OEM recommendations and utilize oil analysis when extending drains</i></p>
<p>Application Guide</p>	<ul style="list-style-type: none"> ■ Meets the requirements and is approved by a wide range of engine manufacturers for use in current and legacy engines ■ It is an excellent choice for operators of vehicle fleets in locations with large ambient-temperature ranges—one oil to protect, whatever the season 	<ul style="list-style-type: none"> ■ Suitable for use in on-highway engines requiring an API FA-4 diesel oil in this viscosity grade. Meets the requirements of the major US and European engine manufacturers for low emission applications requiring an API FA-4 quality diesel oil
<p>2017 OEM Test/Approvals</p>	<p>Shell Rotella® T5 Synthetic Blend 10W-30 ACEA E9; Caterpillar ECF-3, EC F-2; Cummins CES 20086, 20081; Detroit Fluid Specification (DFS) 93K222, 93K218; Deutz DQC 111-10 LA; JASO DH-2; MACK EOS 4.5, EO-O Premium Plus; MAN M3575; MB-Approval 228.31; MTU-Category 2.1; Volvo VD-54.4, VDS-4</p> <p>Shell Rotella® T5 Synthetic Blend 15W-40 Caterpillar ECF-3, ECF-2; Cummins CES 20086, 20081; Detroit Fluid Specification (DFS) 93K222, 93K218; Ford WSS-M2C171-F1; MACK EOS-4.5; Volvo VDS-4.5, VDS-4</p>	<p>Shell Rotella® T5 Ultra Synthetic Blend Cummins CES 20087; Detroit Fluids Specification (DFS) 93K223; JASO DH-2; MB-Approval 228.61</p>



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Product/Image	SHELL ROTELLA® T4 TRIPLE PROTECTION® 	SHELL ROTELLA® T3 FLEET 
Viscosity Grades & API Service Classification	15W-40, 10W-30 CK-4, CJ-4, CI-4 Plus, CI-4, CH-4 CK-4, CJ-4, CI-4 Plus, CI-4, CH-4	15W-40 CK-4, CJ-4, CI-4 Plus, CI-4, CH-4
Product Applications		
Customer Profile	<ul style="list-style-type: none"> ■ Suitable for customers with diesel applications seeking strong performance, including diesel pick-ups, on-highway and off-highway ■ For customers that want the best wear protection from a mineral oil in the Shell Rotella portfolio 	<ul style="list-style-type: none"> ■ Medium to larger fleets ■ Customers who do not need top-tier protection from Shell Rotella® Triple Protection®
Performance Benefits	<ul style="list-style-type: none"> ■ Triple Protection® Technology designed to protect under the most severe engine conditions ■ Average of 50% better wear protection than required by CK-4 engine tests ■ Resists oxidation up to 50% longer than the previous generation of Shell Rotella® T Triple Protection®* <p><small>*As demonstrated in CEC L-085-99</small></p>	<ul style="list-style-type: none"> ■ Provides reliable protection and performance ■ Helps control engine deposits
Application Guide	<ul style="list-style-type: none"> ■ Meets the specifications and/or approval requirements of a wide range of on-highway engine manufacturers, including virtually all modern low-emission heavy duty engines as well as older, hard working diesel engines. It is particularly suitable for use in high power, severe-duty fleets, EGR, turbocharged engines, low emissions engines(including modern and older turbocharged engines), and off-highway applications as well as diesel pick-ups 	<ul style="list-style-type: none"> ■ Suitable for a wide range of heavy duty engine applications ■ Suitable for virtually all modern low-emission heavy duty engines
2017 OEM Test/Approvals	<p>Shell Rotella® T4 Triple Protection® 15W-40 ACEA E9; Allison TES- 439; Caterpillar ECF-2, ECF-3; Cummins CES 20086, 20081; Detroit Fluids Specification (DFS) 93K222, 93K218; Deutz DQC III-10 LA; Ford WSS-M2C171-F1; JASO DH-2, MA, MA2; MACK EO-S 4.5, EO-O Premium Plus; MAN M3575; MB-Approval 228.31; MTU Category 2.1; Volvo VDS-4.5, VDS-4</p> <p>Shell Rotella® T4 Triple Protection® 10W-30 Caterpillar ECF-2, ECF-3; Cummins CES 20086, 20081; Detroit Fluids Specification (DFS) 93K222, 93K218; Ford WSSM2C171-F1; JASO DH-2; Mack EO-S 4.5, EO-O Premium Plus; Volvo VDS-4.5, VDS-4</p>	<p>Shell Rotella® T3 Fleet ACEA E9; Allison TES 439; Caterpillar ECF-3, ECF-2; Cummins CES 20086, 20081; Detroit Fluids Specification (DFS) 93K222, 93K218; Deutz DQC III-10 LA; Ford WSS-M2C171-F1; JASO DH-2; Mack EO-S 4.5, EO-O Premium Plus; MAN M3575; MB-Approval 228.31; MTU Category 2.1; Volvo VDS-4.5, VDS-4</p>