

# SHELL ROTELLA® TO SAE OW-40 FULL SYNTHETIC HEAVY DUTY DIESEL ENGINE OIL – ARCTIC BLEND

## **PRODUCT DESCRIPTION**

Shell ROTELLA® Tó SAE OW-40 features an advanced Shell exclusive "Low "SAPS"\* additive technology in a synthetic base oil, and is designed to provide highly responsive performance in extreme low temperature climates. Shell ROTELLA® Tó SAE OW-40 meets the API CJ-4/SN, Volvo VDS-3, and Mack EO-N, and Caterpillar ECF-3, ECF-2 and ECF-1A specifications. It is suitable for modern vehicles that have 2010 emissions compliant engines and after treatment systems, which require CJ-4 engine oil.

Shell ROTELLA® T6 SAE OW-40 builds on our commitment to providing innovative solutions to meet the technical and operational needs of your equipment and has been tested and proven to protect your vehicle.

## **PERFORMANCE FEATURES & BENEFITS**

PERFORMANCE	BENEFIT		
Excellent Shear Stability	Helps maintain consistent viscosity and oil pressure during severe high temperature service and oil pressure in the engine.		
Protection in extreme low temperature climates	Allows reliable pumping on start-up in low temperature environment		
Excellent sludge control & soot handling	This helps keep the oil free flowing for good startup and continued energy efficiency. Performance should carry through, not only as a new oil in the engine, but also throughout the entire oil drain		
Emissions system compatibility	Helps maintain vehicle emission compliance and engine fuel efficiency. Advanced low-ash formulation helps control blocking or poisoning of exhaust after-treatment devices		



**Shell ROTELLA** 

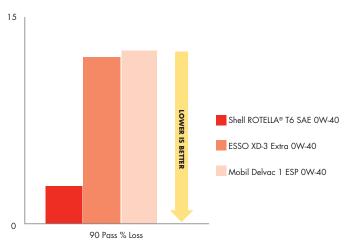
## LOW-TEMPERATURE PROTECTION

Shell ROTELLA® T6 SAE OW-40 is especially designed for those customers who desire the extreme low temperature protection which a SAE OW-40 provides, in addition to meeting the latest API CJ-4 specification. It is formulated to provide effective flow to critical engine parts under extreme low temperature conditions. Shell ROTELLA® T6 SAE OW-40 provides the best low temperature performance in the Shell ROTELLA® portfolio. Shell ROTELLA® T6 SAE OW-40 has a pour point of -51 °C.

# **EXCEPTIONAL SHEAR STABILITY**

Shell ROTELLA® To SAE OW-40 provides exceptional shear-stability degradation compared to the leading competitive API CJ-4 SAE OW-40 products. An extremely shear-stable product helps maintain consistent viscosity and oil pressure in the engine.

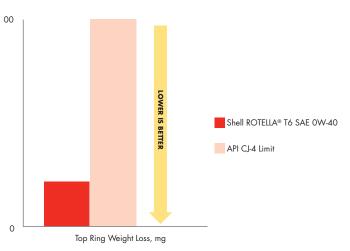
# **SHEER STABILITY (90 PASSES)**



## **PROTECTION AGAINST WEAR**

Shell ROTELLA® Tó SAE OW-40 was formulated to deliver the strong wear protection that is representative of the Shell ROTELLA® portfolio. In the Cummins ISM engine test, which is required for API CJ-4 and which measures top ring weight loss and crosshead wear, Shell ROTELLA® Tó SAE OW-40 scored a perfect 700 out of 700 merits for those two parameters. The actual result for Top Ring Weight Loss in the Cummins ISM engine test is the best (lowest) in the current Shell ROTELLA® portfolio.

## **DEMONSTRATING WEAR PERFORMANCE**



#### **SPECIFICATIONS & APPROVALS**

- API CJ-4/SN
- Volvo VDS-3
- Mack EO-N
- Caterpillar ECF-3, ECF-2, ECF-1A

#### PRODUCT MATERIAL & PACKAGE SIZE

		PRODUCT MATERIAL & PACKAGE SIZE			
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