# GET TO KNOW ABOUT SHELL ROTELLA<sup>™</sup> **DIESEL OIL FILTERS - TECHNOLOGY**



# SHELL ROTELLA™ OIL FILTERS OFFER THE TECHNOLOGY LIGHT-DUTY DIESEL PICK-UP DRIVERS HAVE COME TO EXPECT FROM THE **ROTELLA NAME:**

- Shell Rotella<sup>™</sup> Oil Filters are guaranteed to meet fit, form, and function for those applications for which they are catalogued
- Shell Rotella<sup>™</sup> Oil Filters are manufactured in the USA to follow the rigid requirements of light duty diesel engines with regard to burst strength, media area, valve integrity, and capacity as defined by the manufacturer's engine type
- Shell Rotella<sup>™</sup> Oil Filters are tested in accordance with Society of Automotive Engineers (SAE) and International Organization for Standardization (ISO) testing procedures
- Testing Target for Efficiency: 20 microns nominal efficiency multi-pass based on ISO 4548-12. Nominal efficiencies range from 90% to 95% depending on the specific application
- Shell Rotella<sup>™</sup> Oil filters meet flow rate requirements for specific engine manufacturer's requirements
- Shell Rotella<sup>™</sup> Oil Filters provide the greater capacity diesel engines require to help reduce engine wear. Nominal Capacity design targets are based on specific engine manufacturer's requirements
- Shell Rotella<sup>TM</sup> Oil Filters efficiently capture the dirt and contaminants the oil is removing and helps to protect the oil from premature load up promoting longer engine life

Seal Gasket **Case Bottom** Assembly Stamped components provide gasket retention and optimum filter burst performance. starts. Steel End Cap media Filter Media Performance media traps harmful contaminants and provides protection to vital engine parts. Piston Steel End Cap Creates a reservoir for sealing ends of media thus preventing contaminant bypass conditions. **RV** Spring Rivet Case Sturdy steel case protects against high pressure surges.

## Internally lubricated seal gasket protects against leaks

and reduces friction for easier installation

Anti-Drainback Valve Protects engine from dry

#### Spiral Center Tube Provides superior collapse

strength to support filtering

Seals relief valve preventing oil bypass during normal operation conditions.

Allows piston to open flow of oil through filter during cold weather start-up conditions.

### Element Guide

Prevents movement of the element and thus leakage at the interface between the element and the screw cap.

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