SHELL ROTELLA® FULLY FORMULATED PRECHARGED WITH SUPPLEMENTAL COOLANT ADDITIVE (SCA) 50/50 READY TO POUR

Shell ROTELLA® FULLY FORMULATED Coolant/Antifreeze is a conventional, single-phase, ethylene glycol based heavy-duty diesel engine coolant with silicate, nitrite and molybdate. Shell ROTELLA® FULLY FORMULATED already contains the initial dose of supplemental coolant additives (SCAs) and is ready for use in initial fill, flush and fill, and top-up applications. Shell ROTELLA® FULLY FORMULATED is compatible with commercially available SCAs and meets TMC RP 329 and ASTM D6210. Use of a Shell ROTELLA® FULLY FORMULATED precharged with SCA as top-up may help reduce the number of SCA treatments required over the coolants life. Commercially available test strips or a test tool can be used with this product to determine when additional SCAs must be added. Always refer to your vehicles owners manual for exact coolant requirements.

Applications

• heavy-duty gasoline and diesel engine coolant/antifreeze for use in on-road or off-road vehicles

Features and Benefits

• effective, long term corrosion protection for aluminum, brass, cast iron, steel, solder and copper

• highly stabilized, low silicate formula helps reduce deposits

• hard water scale inhibitor reduces scale

• protects against winter freeze up and minimizes the chance of summer boil over

• superior anti-foam characteristics

• compatible with other commercially available fully formulated coolants

• compatible with cooling system SCA/chemical filters

• can be tested with commercially available test strips or tools

• does not require an initial dose of supplemental coolant additives

• may reduce the number of supplemental coolant additives required when used as a top-up fluid

• compatible with other fully formulated coolants like Cat DEAC, Fleetguard Compleat®, FLEET CHARGE®, Prestone® Heavy Duty, POWER-COOL ®

• All product bittered for your safety as well as use where required by state regulations

Approvals and Recommendations

This product meets or exceeds:
• ASTM D 3306, D6210 and D 4985 for automotive service
• ASTM D 6210 for heavy duty diesel service
• TMC RP 302B, RP 329, RP 338, RP 351
• Mack
• Caterpillar
• Ford ESE-M97B44-A
• Cummins
• GM 1825M & 1899M
• John Deere H24B1 and H24C1
• Waukesha 4-1947D
• JI Case JIC501

Typical Characteristics of SHELL ROTELLA Fully Formulated PRECHARGED WITH SCA Coolant/Antifreeze

	Typical Concentrate	Typical 50/50
Code No.	**94068**	**94069**
Appearance	Purple	Purple
Specific gravity 60/60 °F	1.13	NA
Specific gravity 60/60 °F (as sold)	NA	1.06
Freezing point, °F (ASTM D 1177) 50 vol % q.s. aqueous solution	-34°F	NA
Freeze point, as sold	NA	-34ºF
pH (ASTM D 1287), 1:2 dilution with water	10.5	NA
pH (as sold)	NA	10.5
Reserve Alkalinity (ASTM D 1121), as received	10	5
Silicate, % (as Anhydrous Alkali Metasilicate)	0.09	0.045

Boiling and Freeze Protection for
Shell Rotella Fully Formulated Antifreeze/Coolant 50/50 Pre-Diluted

	Percent Antifreeze Coolant	Freeze Point Protection * F / C	Boil Over Protection * F / C
Shell ROTELLA® FULLY FORMULATED Pre-diluted 50/50 AF / C	Use Product as is	-34 ° / -36 °	+265 ° / +129 °

* Using 15 lb. radiator cap

Directions for use:

PRECAUTION: Allow engine and radiator to cool completely before performing any maintenance work.

NOTE: This product is pre-diluted and ready to use. No SCA's are required.

FLUSH AND FILL:

Drain cooling system completely, including overflow tank and lower portions of cooling system. If equipped, remove old coolant filter and install a blank (non-chemical) filter according to manufacturer's directions.

Flush cooling system with tap water, including the overflow tank. After flushing assure all water is removed. Install new coolant filter if equipped.

Refill the cooling system with Shell ROTELLA® FULLY FORMULATED Antifreeze / Coolant 50/50. Before installing the radiator cap, start the engine and turn the heater control to high. Allow the system to circulate until the thermostat opens purging any trapped air. If necessary top off radiator. Install the proper cap and check for leaks.