



# SHELL DIESEL READY

## Fully Formulated Coolant/Antifreeze

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### Product Description

**Shell Diesel Ready Fully Formulated Coolant/Antifreeze** is a conventional, single-phase, ethylene glycol based heavy-duty diesel engine coolant with silicate, nitrite and molybdate. Shell Diesel Ready 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 Diesel Ready is compatible with commercially available SCAs and meets TMC RP 329 and ASTM D6210. Use of a Shell Diesel Ready, a fully formulated coolant as top-up may help reduce the number of SCA treatments required over the coolants life. Commercially available test strips 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
- reduced deposits due to low silicate formula
- 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
- 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 Diesel Ready Fully Formulated 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	-34°F
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 a 50/50 mix of **Shell Diesel Ready Fully Formulated Coolant/Antifreeze**

Boiling Protection, °F (C) (15 lb. pressure cap)	265°F (129°C)
Freezing Protection, °F (C)	-34°F (-37°C)

#### Maintaining Shell Diesel Ready Fully Formulated Coolant/Antifreeze

- For top-up **Shell Diesel Ready Fully Formulated Pre-diluted 50/50** or a 50/50 dilution of **Shell Diesel Ready Fully Formulated Concentrate** and water should be used.
- Freeze point should be checked at every oil change or at least twice per year. For optimum year round protection against freezing, boiling and corrosion, a 50/50 mix of **Shell Diesel Ready Fully Formulated Concentrate** and water is recommended. For maximum protection against freezing in extremely cold areas a 60% solution (3 parts **Shell Diesel Ready Fully Formulated Concentrate** and 2 parts water) can be used. Concentrations greater than 67% or less than 40% are not recommended.
- If doing a complete flush and refill, please note: Shell recommends flushing your system with clean water before you install **Shell Diesel Ready Fully Formulated Coolant/Antifreeze**. If significant deposits are visible, you may use a commercial cooling system cleaner designed for your engine. Follow the manufacturer's flushing procedure and dispose of waste fluid in accordance with all local, state and federal guidelines. Be sure to flush the system thoroughly with water after chemical flushing.
- Coolant level should be kept at the proper level to prevent air entrapment, which could lead to corrosion problems.
- Shell Diesel Ready Fully Formulated Coolant** requires the addition of supplemental coolant additives (SCA's) on a regular basis. To determine when to add SCA's use a test strip made for green colored coolant. Coolant should be checked every 15,000 miles or at every oil change. Follow the recommendations of the SCA supplier to determine how much additive should be used based on the test strip results.
- In order to prevent the formation of silicate gel in storage containers, concentrated **Shell Diesel Ready Fully Formulated** should not be stored longer than eighteen months without agitation and should not be pre-diluted with supplemental coolant additives.

Please note this product is compatible with commercially available supplemental coolant additives and other conventional and fully formulated coolants. While Shell does not recommend the combination of conventional and extended life coolants, if conventional coolants such as Shell Diesel Ready are added to extended life coolants, the service recommendations of the conventional coolant override the extended life recommendations.

#### Handling and Safety Information

**Shell Diesel Ready Fully Formulated Coolant/Antifreeze** has a shelf life of about 18 months.

Concentrate product should be mixed before use. Always dispose of used coolant in accordance with local, state and federal guidelines. These products are not to be used to protect the inside of potable water systems against freezing. 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/>.