



## All Makes All Models ANTIFREEZE 50/50

**STARFIRE All Makes All Models 50/50** is a true universal antifreeze/coolant that can be used as a top-off or a complete flush and fill in virtually any application. It's HOAT chemistry is designed for both light duty automotive and heavy-duty diesel use. **STARFIRE All Makes All Models 50/50** is a premium ethylene glycol-based product and when mixed with water and used as directed offers superior protection against:

- Freeze-up/Boil Over
- Wet Sleeve Liner Pitting
- Scale Build Up
- Rust Corrosion
- Sludge/Clogging

### APPLICATIONS

- Meets Light Duty ASTM D-3306 and Heavy Duty ASTM D-6210
- One universal product for Light Duty and Heavy Duty applications
- Perfect choice for mixed fleets. No need to add SCA's.
- Blended with pure De-Ionized water for your quality needs.
- Phosphate free and low silicate -the choice for Japanese and Korean models.
- Light Duty - 5 years/150,000 miles / Heavy Duty - 3 years/300,000 miles

### SPECIFICATIONS

- |                    |                    |                     |
|--------------------|--------------------|---------------------|
| • ASTM D-3306      | • Caterpillar DEAC | • GE Locomotive     |
| • Chrysler MS 7170 | • Detroit Diesel   | • Freightliner      |
| • TMC RP329        | • Cummins Engine   | • Ford ESE-M97B44-D |
| • Ford WSS-M97B51  | • John Deere       | • Mercedes          |
| • GM 1825M         | • International    | • Komatsu           |
| • GM 1899M         | • Case New Holland | • Navistar          |
| • ASTM D-6210      | • Volvo Trucks     |                     |

DESCRIPTION	TYPICAL VALUES	TEST METHOD
Appearance	Visual	Gold/Yellow
Specific Gravity at 60/60°F	1.053 – 1.083	D-1122
Freeze Point, at 50% max	-34°F	D-3321
pH at 50% Solution	8.5 – 10.	D-1287
Reserve Alkalinity min.	2.5	D-1121
Foam Test	150ml/5 sec	D-1881

BOIL OVER PROTECTION			
Type of Coolant Test	Atmospheric Pressure	14 LB. cap	15 LB. cap
Coolant Boiling	224°F	262°F	265°F
Coolant Freezing	-34°F	-34°F	-34°F