



All Fleet ELC

Ultimate Heavy-Duty Extended Life Coolant / Antifreeze (OAT)

Rev: 2026-05-15

DESCRIPTION

TRIAX All Fleet ELC is a fully formulated heavy-duty Extended Life Coolant (ELC) built on latest-generation Organic Acid Technology (OAT) for on-road, off-road, and mixed-fleet diesel and gasoline cooling systems. The formulation leverages OAT inhibitors fortified with Molybdate to deliver superior wet-sleeve cylinder liner protection, exceptional corrosion and scale resistance, and outstanding thermal transfer under sustained high-temperature operation. Designed for service intervals up to 1,000,000 miles, 20,000 hours, or 8 years without Supplemental Coolant Additive (SCA) replenishment, the amine-, borate-, silicate-, and nitrite-free chemistry handles cavitation pitting on wet liners, prevents scale, dropout, and gelling, and maintains elastomer and water-pump compatibility across the full service life.

PERFORMANCE HIGHLIGHTS

- Universal compatibility — works with all diesel and gasoline engines regardless of manufacturer; mixable with conventional and OAT coolants (maintain $\geq 25\%$ All Fleet ELC for full corrosion protection)
- **Up to 8 years, 1,000,000 miles, or 20,000 hours** of guaranteed cooling system protection without SCA top-up or replenishment*
- **Latest-generation OAT chemistry** fortified with Molybdate for superior wet-sleeve cylinder liner protection against cavitation pitting in heavy-duty diesel applications
- Amine-, borate-, silicate-, and nitrite-free formulation eliminates scaling, dropout, gel formation, and abrasive deposit buildup
- Outstanding thermal transfer for high-temperature operation; exceptional corrosion protection across iron, aluminum, brass, copper, and solder cooling-system metallurgies
- Excellent long-term elastomer compatibility; non-abrasive formulation significantly extends water pump and seal life
- Reaches maximum drain interval as-supplied — no initial SCA charge or aftermarket additive package required
- Approved for heavy-duty semi trucks, diesel and gas pickups, passenger cars and SUVs, agricultural equipment, and construction equipment

**Guaranteed service life represents maximum capability in mechanically sound cooling systems maintained per OEM service guidelines. Maintain $\geq 25\%$ TRIAX All Fleet ELC concentration to preserve full corrosion protection when topping off with water or other coolants.*

SPECIFICATIONS & APPLICATIONS

TRIAX All Fleet ELC is purpose-built as a suitable replacement for any and all extended-life OAT or fully formulated diesel coolants, covering heavy-duty semi trucks, diesel and gasoline pickups, passenger cars and SUVs, agricultural equipment, and construction equipment. Engineered for wet-liner heavy-duty diesel applications and fully compatible with mixed-fleet operations.

Meets or exceeds the following OEM and industry specifications:

- ASTM D3306, D4985, D6210; SAE J1034, J1941, J814C; AS/NZS 2108.1:1997 Type A
- Cummins 3666132, 14603; Detroit Diesel 7SE298, 93K217
- Caterpillar EC-1; John Deere H24A1, H2B1, H5, C1
- Case / New Holland MAT 3620; Massey Ferguson (AGCO) M1130A
- Mack GS17004; PACCAR CS0185; Peterbilt 8502.002; Freightliner 48-22880
- Mercedes-Benz 235.29 and DBL 7700; MAN 324; MTU MTL 5048
- Volvo Coolant VCS; Scania TB1451; DAF MAT 74002
- GM 1825M, 1899M (Heavy Truck)
- JCB STD00088; Komatsu KES 07 892
- Free of amines, borates, silicates, nitrites, and phosphates

TYPICAL PROPERTIES

Parameter (Test Method)	Typical Value
Color (Visual)	Red
Specific Gravity @ 60 °F (ASTM D1122)	1.125
Reserve Alkalinity, mL (ASTM D1121)	> 6
Freeze Point @ 50/50, °F (°C) (ASTM D1177)	-34 (-37)
Freeze Point @ 60/40, °F (°C) (ASTM D1177)	-62 (-52)
Boiling Point @ 50/50, °F (°C) (ASTM D1120)	226 (108)
Boiling Point @ 60/40, °F (°C) (ASTM D1120)	234 (112)
Water Content, Pure Form, % max (ASTM D1123)	1.0
Nitrite / Silicate / Phosphate, ppm	0 / 0 / 0

These are typical values. There may be small differences in actual values which are a normal part of production and do not affect product performance.