

TRIAX FLEET ULTRA ESP

SYNTHETIC BLEND FRICTION MODIFIED HEAVY DUTY DIESEL OILS

TRIAX Fleet Ultra ESP CK-4 are advanced synthetic blends friction optimized & friction modified heavy duty diesel oils, a next step in the evolution of diesel lubricants. These products are designed for the latest generation of heavy duty diesel trucks while offering full backwards compatibility with older engines. Our oils contain HD Efficient Dynamics technology for superior friction management, increased durability, lower oxidation coupled with out state of the art CRP (Continuously Regenerative Plating) technology with Molybdenum and Boron to dramatically reduce engine wear in virtually every component.

TRIAX Fleet Ultra ESP CK-4 unique additive blend helps extend drain intervals, optimize functionality in both high and low temperature conditions. This product is designed for both on-highway and off-highway, high torque applications operating in severe low speed/heavy load conditions using low (500ppm) or ultra LOW SAPS (15ppm) sulfur diesel fuels.

PERFORMANCE

- Complete protection for diesel and gasoline emission control systems such as Exhaust Gas Re-Circulation systems (EGR), Selective Catalytic Reduction (SCR) systems and Diesel Particle Filters (DPF).
- Complete compatibility with virtually all major heavy duty diesel engine manufacturers
- Superior extended drain capabilities
- Outstanding friction modifying and wear reducing properties, up to 65% drop in friction coefficient vs industry standards
- Significant improvement in overall engine component wear
- Designed for heavy duty trucks for maximum longevity and protection
- State-of-the-art detergent and dispersant package for outstanding deposit control preventing
- Excellent fluid life and oxidation control, with superior stay-in-grade characteristics
- Permits "dry" lubrication at engine startup and during cold winter months, nearly eliminating engine startup wear and noise
- Permits quick-fill lubrication flow during cold weather start-up, down to -49 C.
- High retention TBN which provide improved acid neutralization and corrosion protection.
- Provides year-round engine protection even in severe operating conditions
- Outstanding stay-in-grade shear stability

PERFORMANCE HIGHLIGHTS



100,000 + Miles
for highway class 8 trucks

**UP TO 30% IMPROVED OXIDATION
vs CK-4 Requirements**



15,000 + Miles
for diesel pick-up trucks
(GMC, Ford, Chevy, Dodge)

TURBO-CHARGER PROTECTION

EXTENDED COMPONENT LIFE

The above drain intervals reflect the capability of the product, taking into consideration mechanically sound engines and good maintenance practices. Always use oil analysis as engine blow by, coolant leaks and other oil contamination can happen at any time and directly affect the longevity of engine oils.

SPECIFICATIONS & APPLICATIONS

TRIAX Fleet Ultra products are designed to be fully backwards compatible with CJ-4 and CI-4 plus applications. These lubricants are recommended for 2016 and newer heavy duty diesel engines found in commercial trucks, pickup trucks, construction equipment and agricultural equipment. TRIAX

FLEET ULTRA ESP products are also recommended for the latest diesel engines from Volvo, Renault, Ford, Caterpillar, UHPD (ultra high performance diesel). Applications include heavy on road transportation, off-road, quarrying, mining including server service heavy duty

SPECIFICATION COVERAGE: These products meet or exceed the following API and OEM specifications.

- API CK-4, CJ-4, CI-4 Plus, CI-4, CH-4
- API SN (15W-40 ONLY)
- ACEA E9-12, E9-16
- CUMMINS CES 20086
- MACK EOS 4.5
- MB 228.31
- DDC 93K222
- CATERPILLAR ECF-3
- VOLVO VDS-4.5, VDS-4, VDS-3
- RENAULT VI RLD-4, RLD-3
- MTU TYPE 2.1
- DEUTZ DQC III-10 LA
- FORD WSS-M2C171-F1
- MAN 3575, MAN3277 (10W40)
- SCANIA LDF-2, LDF-3 Low Ash

TYPICAL PROPERTIES

Parameter (test)	10W-30	15W-40	10W-40
Viscosity, Kinematic cSt at 40°C	74.66	116.30	75.25
Viscosity, Kinematic cSt at 100°C	11.	15.40	12.26
Viscosity Index (ASTM D2270)	174	160	182
Flash Point, °C (°F)	210 (410)	210 (410)	210 (410)
Pour Point, °C (°F)	-45 (-49)	-38 (-36)	-45 (-49)
CCS Viscosity @ °C, cP (ASTM D5293)	4866 (-25)	4963 (-20)	5594 (-30)
Total Base Number (ASTM D2896)	10.5	10.5	10
HTHS High Temp High Shear, cP (ASTM D5481)	3.60	4.56	4.4
Sulfated Ash Content % Wt. (ASTM D874)	0.97	0.97	0.97