

TRIAX AGRA PLUS ESP

SYNTHETIC BLEND API CK-4 DIESEL ENGINE OIL FOR AGRICULTURAL APPLICATIONS

TRIAX AGRA Plus ESP is late generation synthetic blend super heavy duty API CK-4 compliant diesel engine oil designed for superior performance and the protection of agricultural machinery. Contains Organic Moly Complex technology, a unique blend of Molybdenum and Boron, offering unparalleled protection against oxidation, nitration, bore polish and general wear in very demanding, high load work conditions. TRIAX Agra Plus ESP offers superior resistance to oxidation, up to 25% slower than most other 15W-40 lubricants, excellent viscosity stability, superior protection against nitration and is especially designed to withstand high load, high torque conditions, where engines have to perform at 90% power 90% of the time, conditions specific to agricultural applications. Its unique additive blend helps extend drain intervals, optimize functionality in both high and low temperature conditions.

Designed for off-highway, high torque applications operating in severe low speed/heavy load conditions using low (500ppm) or ultra low (15ppm) sulfur fuels.

TRIAX AGRA PLUS ESP contains Organic Molybdenum Complex, Boron, Nitrogen, Sulfur, Phosphorous as well as other chemical compounds designed to work together for performance far beyond what ordinary engine oils are capable of. Heavy duty diesel engines, especially in agricultural applications are extremely prone to fuel, water and dust contamination. TRIAX Agra can handle significant amounts of contamination without significantly modifying its properties. Top of the line dispersant and nitrogen rich detergent system prevent the formation of sludge, keep ash in suspension and will keep your engine clean .

PERFORMANCE

- Exceptionally high shear stability to maintain lubrication in highly loaded components
- Designed to meet and exceed OEM requirements for all diesel farm tractors and combines in severe service.
- Unmatched wear protection, with CRP Moly and Boron technology, in virtually all heavy duty severe service applications
- Outstanding thermal and oxidative stability, facilitates exceptionally long oil life
- Exemplary turbo-charger protection in all work conditions - once the turbo shuts down the product will not turn to sludge or "fry" on the turbo bearings.
- Exceptional shear stability in under high loads
- State-of-the-art dispersal and detergent system preventing sludge
- High retention, long lasting TBN means unmatched acid and corrosion protection
- Excellent dry lubrication minimizes wear on engine cold starts
- Patented seal protection for all types of natural or synthetic seals
- Prolongs the life of Diesel Particulate Filters, SCR's and DOC's in modern tractors and combines, requiring a low ash lubricant.

PERFORMANCE HIGHLIGHTS



UP TO 600 HOURS

Oil Changes

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

TURBO-CHARGER PROTECTION

EXTENDED COMPONENT LIFE

The above drain interval 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

This product is recommended for all heavy duty diesel agricultural and heavy duty off-road applications equipment such as John Deere, Komatsu, Belarus, Caterpillar, Deutz, Massey Ferguson, JCB, New Holland, Kubota, CASE, Deutz Allis, Deuts Fahr, CLAAS, White Farm, McCormick, Landini, Steiger and many others, where requirements call for an API CK-4, CJ-4, CI-4 Plus, ACEA E7 or E9 high performance motor oil.

TRIAX AGRA Plus ESP conforms to low emission standards required by the next generation farm and construction equipment manufacturers requiring a low ash, emission system protection lubricant and is compatible with interim Tier 4 engines such as John Deere & Case, with SCR Technology using Diesel Exhaust Fluid (DEF), as well as older engines. Recommended for all diesel engines including four-stroke naturally aspirated, turbocharged and supercharged diesel engines with Diesel Particulate Filters (DPF), Diesel Oxidation Catalysts (DOC), and Exhaust Gas Recirculation (EGR).

Direct Replacement for ALL 15W-40 OEM Oils including:

- JOHN DEERE PLUS II 50 15W-40
- KUBOTA GENUINE OEM 15W-40
- CASE / NEW HOLLAND AMBRA OEM OIL 15W-40 (All Versions)

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, SM, SL
- ACEA E9-12
- Mack EO-M Plus, EO-N Premium Plus 03, EO-O Premium Plus 07 & EOS 4.5
- Cummins CES 20086
- Volvo VDS-4, VDS-4.5
- Mercedes Benz P228.31, P228.51
- Detroit Diesel 93K222, 93K218, 93K215, 93K2143
- Caterpillar ECF2, ECF3
- JASO DH-2
- MTU Type I & II, MTU Type 2.1
- Man 3575
- Allison C-4
- Renault RLD-3, RLD-4
- Ford WSS M2C171-E, WSS M2C171-F1
- DEUTZ DQC III-10 LA

TYPICAL PROPERTIES

Parameter (test)	15W-40	10W-40
Viscosity, Kinematic cSt at 40°C	106.3	76.33
Viscosity, Kinematic cSt at 100°C	15.40	12.26
Viscosity Index (ASTM D2270)	160	182
Flash Point, °C (°F)	210 (410)	210 (410)
Pour Point, °C (°F)	-38 (-36)	-45 (-49)
CCS Viscosity @ °C, cP (ASTM D5293)	4963 (-20)	5594 (-30)
Total Base Number (ASTM D2896)	10.5	10
HTHS High Temp High Shear, cP (ASTM D5481)	4.56	4.4
Sulfated Ash Content % Wt. (ASTM D874)	0.97	0.97

Small deviations from these results are expected during the manufacturing process and