



# AGRA SUPREME 15W-40

Full Synthetic API CK-4 Diesel Engine Oil for Agricultural Applications

Rev: 2026-05-08

## DESCRIPTION

TRIAx Agra Supreme 15W-40 is a full synthetic API CK-4 heavy duty diesel engine oil engineered for the most demanding agricultural and off-road applications, where engines operate continuously near peak power and torque. The formulation leverages an Organo Molybdenum Complex, Boron, and high-phosphate-retention ZDDP additive system, built on TRIAX's CRP Technology and 100% ultra-pure synthetic base oils, to deliver extreme oxidation, nitration, and thermal degradation resistance with active friction reduction. Recommended for engines fitted with DPF, EGR, and SCR aftertreatment, including Tier 4 and Tier 4A Interim platforms requiring DEF, while remaining fully backwards compatible.

## PERFORMANCE HIGHLIGHTS

- Drain intervals exceeding **800 hours** in mechanically sound agricultural equipment under proper maintenance
- **40% less** engine deposits and **64% less** overall wear vs. OEM spec, **zero** bore polish (vs. spec max of 2), and **59% less** oil consumption vs. OEM spec\*
- **61% less** wear on critical parts, up to **80% less** radial and axial ring wear, and up to **90% less** main and connecting rod bearing wear vs. OEM requirements\*\*
- Up to 65% drop in friction coefficient vs. industry standards, with a minimum 2% fuel economy improvement vs. competing CK-4 oils
- State-of-the-art detergent and dispersant package for outstanding deposit control with no ash clumping
- Full DPF, DOC, SCR, and EGR aftertreatment compatibility — including Tier 4 and Tier 4A Interim engines requiring DEF
- Quick-fill cold-start flow down to -40°C, nearly eliminating startup wear and noise
- High-retention TBN for sustained acid neutralization and year-round corrosion protection in severe service

\*Per Mercedes-Benz OM 501 LA (Euro 5) engine test results. \*\*Per Mercedes-Benz OM 646 DE22 LA (CEC-L99-08) 150,000 km engine test.

## SPECIFICATIONS & APPLICATIONS

TRIAx Agra Supreme 15W-40 is purpose-built as a direct replacement for all 15W-40 OEM agricultural fluids — including John Deere Plus-50 II, Kubota Genuine OEM, Case/New Holland Ambra, and Massey Ferguson Multiguard — and meets engine warranty requirements for John Deere, Komatsu, Belarus, Caterpillar, Deutz, Deutz Fahr, Massey Ferguson, JCB, New Holland, CASE, Kubota, CLAAS, McCormick, Landini, Steiger, and other major agricultural OEMs.

**API CK-4 Licensed and exceeds 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 Plus 03, EO-O Plus 07, EOS 4.5
- Cummins CES 20086
- Volvo VDS-4, VDS-4.5
- MB 228.31, MB 228.51
- Detroit Diesel 93K222, 93K218, 93K215, 93K214
- Caterpillar ECF-2, ECF-3
- JASO DH-2
- MTU Type I, Type II, Type 2.1
- MAN 3575
- Allison C-4
- Renault RLD-3, RLD-4
- Ford WSS-M2C171-E, M2C171-F1
- Deutz DQC III-10 LA; John Deere JDQ-78X / JDQ-78A

## TYPICAL PROPERTIES

| Parameter (Test Method)                        | 15W-40            |
|------------------------------------------------|-------------------|
| Viscosity, Kinematic @ 40 °C, cSt (ASTM D445)  | <b>103.4</b>      |
| Viscosity, Kinematic @ 100 °C, cSt (ASTM D445) | <b>15.30</b>      |
| Viscosity Index (ASTM D2270)                   | <b>162</b>        |
| Flash Point, °C (°F) (ASTM D92)                | <b>228 (442)</b>  |
| Pour Point, °C (°F) (ASTM D97)                 | <b>-40 (-40)</b>  |
| CCS Viscosity @ °C, cP (ASTM D5293)            | <b>4960 (-20)</b> |
| Total Base Number, mg KOH/g (ASTM D2896)       | <b>10</b>         |
| HTHS @ 150 °C, cP (ASTM D5481)                 | <b>4.56</b>       |
| Sulfated Ash, % wt (ASTM D874)                 | <b>0.97</b>       |

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.