



AGRA PREMIUM 15W-40

Super Heavy-Duty Diesel Engine Oil for Agricultural Applications

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DESCRIPTION

TRIAX Agra Premium 15W-40 is an anti-wear, anti-corrosion API CI-4 Plus heavy duty engine oil engineered for agricultural and off-road diesel and gasoline applications operating without modern aftertreatment. The formulation leverages a synergistic high-ZDDP, Molybdenum, and Boron additive system for extreme wear protection, oxidation resistance, and acid neutralization under high-load, high-shear, contaminant-rich service. Purpose-built for older equipment and pre-2007 engines that do not require CK-4 or CJ-4 service categories or Euro V emission compliance, the advanced detergent and dispersant package manages soot, ash, and water contamination and maintains alkalinity reserves over extended drain intervals.

PERFORMANCE HIGHLIGHTS

- Up to 500-hour drain intervals in mechanically sound agricultural and heavy-duty equipment under proper maintenance
- Replaces all CI-4 / CI-4 Plus OEM diesel oils for agricultural, construction, and off-road equipment without DPF, DOC, SCR, or DEF aftertreatment
- Reinforced high-ZDDP, organo-metallic Molybdenum, and Boron additive system for maximum engine life under high-load, high-dust, high-temperature service
- Superior turbocharger protection — no coking or sludge on turbo bearings after shutdown
- Outstanding deposit control, oxidation resistance, and rust control in both diesel and gasoline engines, including hot-section components
- Exceptional soot dispersal and water contamination resistance for the agricultural work environment
- High TBN reserves for top-tier anti-acid and anti-corrosion performance, stabilizing alkalinity over extended service
- Outstanding viscosity stability under shear and oxidative thickening, with superior protection for seals, O-rings, and elastomers

SPECIFICATIONS & APPLICATIONS

TRIAX Agra Premium 15W-40 is purpose-built to be a suitable replacement for any and all CI-4 and CI-4 Plus grade OEM fluids, including those from John Deere, Case, Massey Ferguson, International Harvester, Fendt, Deutz Fahr, Hitachi, Volvo, Ford New Holland, Claas, and Kubota. Designed for agricultural and off-road heavy-duty diesel and gasoline engines without aftertreatment systems and for European Euro 4 or older diesel platforms.

API CI-4 Plus Licensed and exceeds the following API and OEM specifications:

- API CI-4 Plus, CI-4, SL
- ACEA E2, E5, E3
- ACEA A3/B3
- JASO DH-1
- Mack EO-M Premium Plus, Mack EO-L
- Cummins CES 20077, 20076, 20075, 20072, 20071
- Volvo VDS-2, VDS-3
- Caterpillar ECF-1
- MB 228.0, MB 228.3
- MAN 271
- MTU Type 1
- Renault VI RLD-2 (E2 R)
- Detroit Diesel DDA 93K214
- Deutz DQC II, DQC III-10
- Komatsu, Hitachi, Kubota, Claas (CI-4 service fill)

TYPICAL PROPERTIES

Parameter (Test Method)	15W-40
Viscosity, Kinematic @ 40 °C, cSt (ASTM D445)	104.7
Viscosity, Kinematic @ 100 °C, cSt (ASTM D445)	14.19
Viscosity Index (ASTM D2270)	139
Flash Point, °C (°F) (ASTM D92)	221 (429)
Pour Point, °C (°F) (ASTM D97)	-30 (-22)
CCS Viscosity @ °C, cP (ASTM D5293)	4589 (-25)
Total Base Number, mg KOH/g (ASTM D2896)	11
HTHS @ 150 °C, cP (ASTM D5481)	4.2
Sulfated Ash, % wt (ASTM D874)	1.50

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.