

TRIAX FLEET ATLAS

HEAVY DUTY SEVERE SERVICE DIESEL ENGINE OIL

TRIAX FLEET ATLAS CI-4 is an advanced anti-wear, anti-corrosion engine oil primarily designed for severe service off-road applications and heavy transport trucks where high loads, high shear forces and contamination are encountered continuously. This product is fortified with a superb additive package with Moly, Boron, High ZDDP Levels and aggressive detergents to provide unrivaled protection for both diesel and gasoline HD engines. Provides excellent protection against acid and corrosion, with high retention TBN, a new type of TBN which lasts much longer than conventional organic TBN boosters. This oil has excellent anti-contamination properties, making it high resistant to ash, water and other contaminants.

TRIAX FLEET ATLAS is friction modified and anti-wear boosted, designed to handle high load, high shear environments and for engines built before 2007 which do not need a CJ-4, CK-4 specification or EURO V emission level.

PERFORMANCE

- Excellent base oil and additive blend for outstanding performance in all respects
- Excellent deposit control, oil oxidation resistance, wear and rust control in gasoline and diesel engines
- Ideal for older equipment not fitted with emission control systems such as SCR, DPF and DOC
- Extreme anti-wear protection for high load, high dust, high temperature work environments
- High ZDDP, Molybdenum and Boron concentration for maximum engine life
- Superior protection against bore polish, scuffing, bearing wear
- Outstanding protection for engine hot section (pistons, piston rings, etc)
- Superior viscosity stability excellent protection against oxidative thickening
- Exceptional soot dispersal and water contamination properties
- Top of the line anti acid / anti corrosion properties
- Very high TBN reserves stabilizing oil alkalinity and preventing acid buildup in the engine
- Superior protection for seals, o-rings and other rubber parts.

PERFORMANCE HIGHLIGHTS



UP TO 500 HOURS PROTECTION
For Off-Road severe service applications



50,000 Miles Drain Interval
For highway trucks

**SUPERIOR TURBO-CHARGER
PROTECTION**

FRICTION OPTIMIZED

**ORGANO-METALLIC
MOLYBDENUM REINFORCED**

SPECIFICATIONS & APPLICATIONS

TRIAX FLEET ATLAS is recommended as a diesel engine oil for turbo-charged, super-charged off-road equipment built before 2007 which do not require protection for emission control systems such as DPF, SCR, DEF Systems, DOC, etc. This product meets and exceeds CI-4 PLUS performance requirements and ACEA E5/E3 for European Euro 4 heavy duty engines. It can also be used in older gasoline powered engines which require an API SL specification.

OFF-ROAD SEVERE SERVICE:

TRIAX FLEET ATLAS offers a wide range of specification coverage for older models of the following OEM's: JOHN DEERE, CASE, CATERPILLAR, JCB, HITACHI, TEREX, LIEBHERR, KOMATSU and many others.

HEAVY DUTY DIESEL TRUCKS:

This product is recommended for heavy duty diesel trucks requiring a CI-4 / ACEA E5, E3 heavy duty engine oil and are not fitted with DPF, SCR, DOC emission control systems. Wide compatibility range includes MAN, VOLVO, SCANIA, DAF, IVECO, MERCEDES BENZ, RENAULT.

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

- API CI-4 PLUS, CI-4/SL
- ACEA E2, E5, E3
- ACEA A3/B3
- JASO DH-1
- JOHN DEERE JDQ-78A
- JCB Standard: 4001/2800
- 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
- RVI E2 R
- DDA 93K214 Deutz DQC II and DQC III -2010

TYPICAL PROPERTIES

Parameter (test)	15W-40	20W-50
Viscosity, Kinematic cSt at 40°C	104.7	137
Viscosity, Kinematic cSt at 100°C	14.19	17.40
Viscosity Index (ASTM D2270)	139	135
Flash Point, °C (°F)	221 (429)	221 (429)
Pour Point, °C (°F)	-30 (-22)	-18 (-0.5)
CCS Viscosity @ °C, cP (ASTM D5293)	4589 (-25)	9500 (-25)
Total Base Number (ASTM D2896)	11	10
HTHS High Temp High Shear, cP (ASTM D5481)	4.2	5.56
Sulfated Ash Content % Wt. (ASTM D874)	1.50	1.50