



OUR ENERGY COMES THROUGH®

MAXTRON® DEO

Synthetic Blend
Diesel Engine Oil

*The Ultimate Choice in
Engine Protection*



Exceeds the Highest Engine Standards

The Ultimate Choice in Engine Protection

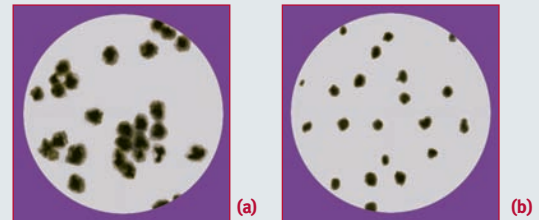
Maxtron DEO API CJ-4/SM Diesel Engine Oils are engineered with **Wear Saver Technology®** and a high quality synthetic base stock blend to provide the ultimate level of protection for both modern diesel engines with exhaust emission control systems (Exhaust Gas Recirculation, Diesel Particulate Filters and NOx Catalysts) and older heavy duty diesel engines operating on low sulfur or ultra low sulfur diesel fuel.

Wear Saver® Technology Prolongs Engine Life

The **Wear Saver Technology** in Maxtron DEO provides **"reserve quality"** protection for engines under the most extreme conditions.

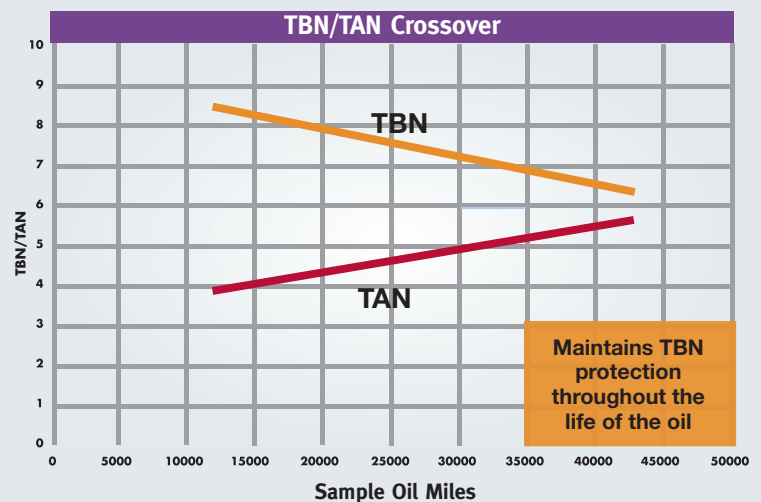
- **SUPERIOR DEPOSIT AND SOOT CONTROL**
Unique soot dispersant technology and powerful detergents help keep engines clean.
- **OUTSTANDING ACID CONTROL**
High long lasting TBN protects against corrosion from acids for the life of the oil.
- **EXCEPTIONAL WEAR CONTROL**
Anti wear additives and advanced shear resistant radial polymers protect against metal-to-metal contact by keeping high pressure components lubricated and apart for reduced wear.

Soot Dispersant Technology



- (a) Soot in diesel engine crankcase lubricants form massive structures in the oil which causes thickening, abrasive wear, excessive oil consumption, and reduced engine life.
- (b) Cenex lubricants disperse soot to finer particles resulting in less oil thickening.

Long Lasting TBN

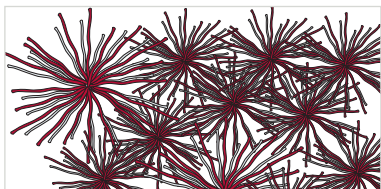


Field tests prove the TBN with extra "reserve quality" offered by Maxtron DEO can deliver engine protection beyond recommended oil drain intervals.

Superior Viscosity Retention and Shear Resistance

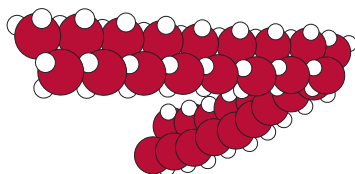
Maxtron DEO features advanced radial polymer technology that maintains viscosity much longer, throughout the life of the oil. This impressive performance is the result of the strikingly different shape of the advanced radial polymers in **Maxtron DEO**. Rather than breaking apart, these advanced polymers are designed to retain their shape, minimizing viscosity breakdown.

Maxtron DEO Advanced
Radial Polymer Technology



The superior design of Maxtron DEO's radial polymers make them highly resistant to shearing, improving viscosity control and engine protection.

Outdated Long Chain
Polymer Technology



Long chain polymer technology shears into smaller molecules after the oil has been in use reducing the oil's viscosity and wear protection capabilities.

Excellent Oxidation Protection

High-stress vehicles subject to hot temperatures, heavy hauling, trailer pulling or off-road use benefit greatly from **Maxtron DEO**.

Formulated to overcome the thermal deficiencies of conventional petroleum oils, **Maxtron DEO** reduces volatility (burn off), deposit formation and viscosity thickening from high heat. When burn-off is reduced, less make-up oil is needed and fewer deposits results in less wear. When oil thickening is controlled, drag is reduced for better efficiency and a higher level of protection.



Maxtron DEO achieves the highest American Petroleum Institute (API) Service Classification for oxidation resistance.

Outstanding Oil Pumpability

Maxtron DEO exceeds the pumpability requirements of multi-grade oils, providing improved lubrication to critical engine parts to reduce wear during cold start-ups.

Universal Application and Protection

Maxtron DEO exceeds CJ-4 service requirements for all major diesel engine manufacturers: Caterpillar, Detroit Diesel, Cummins, Mack, Volvo, Renault and Mercedes Benz.



OUR ENERGY COMES THROUGH®

Recommended For The Most Severe Operating Conditions:

- Long Hours
- Dusty and Dirty Conditions
- Heavy Loads
- Extended Sub Zero or High Temperature Operation

Maximum Protection Against:

- Oil Thickening
- Soot, Sludge and Varnish
- Oxidation
- Wear
- Acid Accumulation
- TBN Loss
- Viscosity Shear Loss

Ultimate Performance:

- Provides Cleaner Engines
- Protects Emission Control Devices
- Reduces Oil Consumption
- Minimizes Downtime
- Enables Longer Engine Life
- Protects Engines at Cold Start-Up



MAXTRON® DEO



Synthetic Blend Diesel Engine Oil

Maxtron DEO Typical Properties:

SAE Viscosity Grade	15W-40	10W-30
Viscosity, cSt @ 100°C	15.3	11.6
Viscosity, cSt @ 40°C	117	75.5
Viscosity Index	139	142
API Gravity	30.4	31.3
Pour Point, °C (°F)	-43	-43
MRV-TP1, Viscosity, cP @ °C	25,000 @ -25	23,000 @ -30
CCS Viscosity, cP @ °C	6,000 @ -20	6,200 @ -30
Sulfated Ash, % wt.	0.99	0.99
TBN (D2896)	10	10

Recommended For:

- Four-stroke naturally aspirated and turbocharged diesel engines
- All 2007 and newer low emissions engines with EGR, SCR and other exhaust after treatment devices
- Pre-2007 engines specifying older API or OEM oil performance categories using ultra low or low sulfur diesel fuel
- Truck fleets desiring one oil for mixed diesel engines
- Construction and agricultural equipment operating under severe conditions
- Stationary diesel engines such as irrigation and standby generators

Industry Specifications

Maxtron DEO SAE 15W-40 is designed to meet or exceed the following Service Categories: CJ-4, CI-4 PLUS, CI-4, CH-4, CG-4, and CF/SM.

Maxtron DEO SAE 15W-40 also meets and/or exceeds numerous industry specifications and engine manufacturers' requirements, including: Mack EO-O Premium Plus '07, Mack EO-N Premium Plus '03; Caterpillar ECF-3, ECF-1; Cummins CES 20081; Detroit Diesel Power Guard 93K218, 93K215; Volvo VDS-4, VDS-3; Renault RLD-3; MAN M-3275; Mercedes Benz p228.31; Allison C-4; ACEA E7-04; JASO DH-2; and Global DHD-1.

Cenex Total Protection Plan™ Warranty

Maxtron DEO is backed by the **Cenex Total Protection Plan™ Warranty Program** for up to 10 years/10,000 hours on agricultural equipment. The best warranty in agriculture, it delivers protection, performance and peace of mind. Talk with your Cenex representative and read the program plan for more details.



Visit www.cenex.com/locator to find your nearest Cenex dealer.

