

SynTX API CJ-4



# SynTX Synthetic Blend API CJ-4 15W-40 and 10W-30 Diesel Engine Oils

*Protect today's diesel engines to the fullest, while maximizing performance with these world-class synthetic blend lubricants that exceed U.S. and European OEM requirements.*

Formulated to perform beyond the requirements of CJ-4, **SynTX Synthetic Blend API CJ-4 SAE 15W-40 and SAE 10W-30 Diesel Engine Oils** protect and prolong the life of newer engines with advanced emission systems. They are fully backward compatible and provide an additional level of advanced protection for older engines.

These lubricants are exceedingly resistant to heat, oxidation and viscosity loss from shearing. **SynTX 15W-40 and 10W-30** protect against sludge, deposits and wear by staying in-grade at temperatures and conditions that deplete the protective qualities of conventional motor oils. They pump much faster than conventional oils too. Even after extended use, **SynTX** oils safeguard engines at cold start-up in low temperatures.

A high TBN built with reserve power, rust and corrosion inhibitors, patented soot dispersants and field proven detergents enable **SynTX Synthetic Blend Diesel Engine Oils** to control corrosive acids and soot thickening, reduce wear and deposits, keep engines cleaner longer and provide stay-in-grade protection over extended drains.

With technology and quality that stand up to more costly major brands, **SynTX** is the premier choice for engine protection.

## Performance Attribute

## Performance Benefit

Featuring Group II and Group III (Synthetic) Base Oils Offering High Viscosity Index and Low Volatility

Exceptional thermal and oxidative stability, resists shear, reduces deposits and wear. Excellent low-temperature performance, less oil burn-off and, improved fuel economy.

Highly Shear-Stable, Viscosity Index Improver

Maximum protection against viscosity loss from shearing. Outstanding retention of low-temperature pumpability. Maintains viscosity for the life of the oil. Exceptional wear protection. Supports longer drain intervals.

Heavily Fortified with Detergents

Long lasting TBN, high levels of wear protection, engine cleanliness, rust and corrosion protection. Reduces ring wear, cylinder bore polishing, cylinder liner wear, oil consumption, piston deposits and ring breakage to support extended drain intervals.



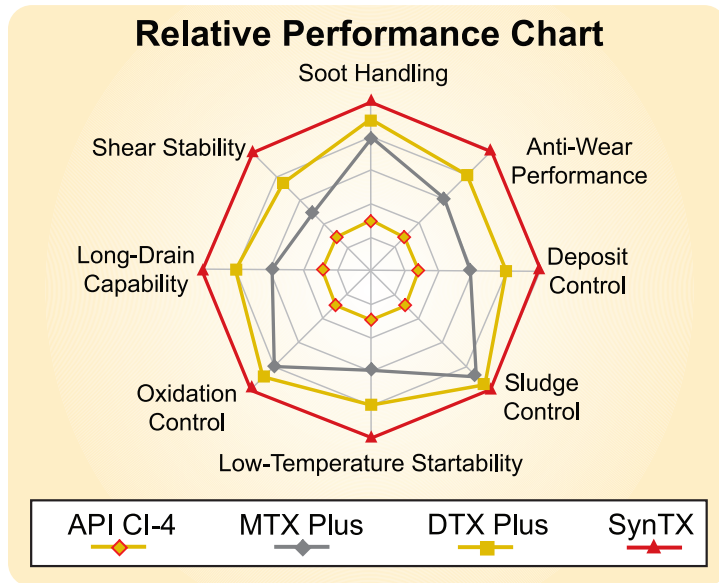
To find out more about our products and services, contact us at: (800) 333-3717 or visit [www.alliedoil.com](http://www.alliedoil.com)



# SynTX Synthetic Blend API CJ-4 15W-40 and 10W-30 Diesel Engine Oils

## Recommended for:

2007 and newer low emission engines with exhaust after treatment devices; pre-2007 engines using Ultra-Low Sulfur Diesel (ULSD) or Low Sulfur Diesel (LSD); extreme operating conditions including long hauls, heavy loads, and all weather conditions; strenuous on-and off-road applications, heavy hauls, dusty and dirty conditions.



## Specifications/Approvals:

Recommended for diesel engines and, where appropriate, gasoline engines requiring any of the following specifications:

- API CJ-4, CI-4 PLUS, CI-4, CH-4, CG-4, CF, and SM, SL Performance
- Mack EO-O Premium Plus\*, EO-N Premium Plus '03, EO-M Plus, EO-M
- Caterpillar ECF-3, ECF-2, ECF-1-a
- Cummins CES 20081\*, 20077, 20076
- Detroit Diesel 93K218\*, 93K215\*, 93K214\*
- MAN 3275\*
- Mercedes Benz 228.31\*
- MTU Type I, Type II\*
- Volvo VDS-4\*, VDS-3, VDS-2
- Global DHD-1
- JASO DH-2
- Renault RLD-3\*
- ACEA E9-08, E7-04, E4, E2\*
- Allison C-4\*

\*15W-40 only

## Performance Benefits:

- Exceptional Cold Start Operation
- Outstanding Shear Stability and Viscosity Control
- Superior Thermal and Oxidative Stability
- Safeguards Engines in All Weather Conditions
- Reduces Oil Consumption and Emissions
- Controls Soot-Thickening and Wear
- Improved Wear Control
- Highly Resistant to Deposits and Sludge
- Superior Rust and Corrosion Prevention
- Reduces Friction and Improves Fuel Economy
- Long Lasting 10 TBN Extends Drains
- Exceeds Emission System Requirements
- Exceeds US and European OEM Requirements

## Typical Properties:

PROPERTY	METHOD	15W-40	10W-30
KV @ 100°C, cSt	ASTM D-445	15.6	12.2
KV @ 40°C, cSt	ASTM D-445	116.4	82.3
Viscosity Index	ASTM D-2270	141	143
HTHS Viscosity @ 150°C, cP	ASTM D-4683	4.2	3.5
MRV @ -25°C, cP	ASTM D-4684	18,930	
MRV @ -30°C, cP	ASTM D-4684		21,800
CCS Viscosity @ -20°C, cP	ASTM D-5293	5,469	
CCS Viscosity @ -25°C, cP	ASTM D-5293		6,170
Sulfated Ash, wt. %	ASTM D-874	0.99	0.99
Total Base Number	ASTM D-2896	10	10