



KENDALL SUPER-D XA™ WITH LIQUID TITANIUM FREQUENTLY ASKED QUESTIONS

- 1. Is Kendall Super-D XA™ with Liquid Titanium a new product from ConocoPhillips Lubricants?**
 - a. Kendall Super-D XA™ with Liquid Titanium is an enhancement to ConocoPhillips' industry-leading API CJ-4 synthetic blend diesel engine oil made from an advanced, low SAPS (sulfated ash, phosphorous and sulfur) technology.
 - b. This enhanced diesel engine oil is engineered from advanced high-performance additives and a blend of synthetic and high-quality Group II base stocks.

- 2. Why did ConocoPhillips Lubricants add Liquid Titanium to their engine oil?**
 - a. In short, to further improve performance.
 - b. Titanium has the highest strength-to-weight ratio of any metal and provides an extra layer of protection to further reduce wear on critical parts and help extend engine life—specially in severe service.

- 3. Are there diesel engine oils from other lubricants companies that have Liquid Titanium?**
 - a. No. Kendall Super-D XA™ with Liquid Titanium from ConocoPhillips Lubricants is the first and only multi-grade, heavy duty engine oil of its kind, which raises the bar for novel diesel engine oil technology.

- 4. How does Liquid Titanium work?**
 - a. Liquid Titanium is a powerful additive that strongly bonds to metal surfaces at the molecular level, adding an extra layer of protection to further reduce wear on critical parts and help extend engine life—especially in severe service.

- 5. Is Liquid Titanium abrasive?**
 - a. Liquid Titanium is a “liquid” additive that is completely soluble in the lubricant. Kendall Super-D XA™ with Liquid Titanium is a homogeneous liquid product, without any solids or suspension and is not abrasive to engine parts.

- 6. Is Liquid Titanium just another “aftermarket additive?”**
 - a. Liquid Titanium additive is not available in the “aftermarket.” Kendall Super-D XA™ with Liquid Titanium is a fully formulated oil that contains the performance additive balanced for optimum performance in the engine.

- 7. What are the benefits of using Kendall Super-D XA™ with Liquid Titanium versus conventional premium API CJ-4 engine oil?**
 - a. Kendall Super-D XA™ with Liquid Titanium provides enhanced engine wear protection, better bearing protection, and increased oil oxidation stability.

- b. It resists viscosity and thermal breakdown, even at high temperatures, and as a synthetic-blend formulation provides excellent low-temperature pumpability.

8. Has Kendall Super-D XA™ with Liquid Titanium been tested?

- a. Kendall Super-D XA™ with Liquid Titanium has been tested in the CJ-4 engine tests. It shows reduced wear of critical parts in the severe Cummins ISB test and also shows reduced wear, less deposits and increased oil-oxidation stability in other industry standard engine tests and bench tests.
- b. Kendall Super-D XA™ with Liquid Titanium has been extensively field tested across numerous fleets with several different engine types to validate its performance.

9. Is Kendall Super-D XA™ with Liquid Titanium approved under the latest heavy duty engine oil specifications from major engine builders?

- a. Yes, Kendall Super-D XA™ with Liquid Titanium is API CJ-4 licensed and approved under the latest OEM specifications from Caterpillar, Cummins, Detroit Diesel, Mack, Mercedes and Volvo for use in the 2007 and later model year, low emission engines equipped with after-treatment devices. It is also back serviceable for use in older engines specifying the previous service category of diesel engine oils.

10. Why should a heavy-duty equipment operator use Kendall Super-D XA™ with Liquid Titanium?

- a. This Liquid Titanium enhancement of the diesel engine oil provides added value to fleet owners and operators by helping to improve engine performance, reduce maintenance, extend drain intervals and protect the investment.

11. Does Kendall Super-D XA™ with Liquid Titanium allow for longer drain intervals?

- a. Kendall Super-D XA™ with Liquid Titanium is a premium quality CJ-4 oil that provides excellent engine protection and offers extended drain capability. As always, ConocoPhillips recommends that customers follow the engine builder's guidelines for establishing the oil drain interval.

12. How versatile is Kendall Super-D XA™ with Liquid Titanium? Can it be used in the same applications as Kendall Super-D XA™?

- a. Kendall Super-D XA™ with Liquid Titanium can be used in any application currently being serviced with Kendall Super-D XA™ or any other API CJ-4 quality engine oil.
- b. Kendall Super-D XA™ and Kendall Super-D XA™ with Liquid Titanium are fully interchangeable in all applications.
- c. Kendall Super-D XA™ with Liquid Titanium may be used as make up oil or as a full replacement during service.

13. Which ConocoPhillips Lubricants brands offer Kendall Super-D XA™ with Liquid Titanium?

- a. Kendall Motor Oil offers Kendall Super-D XA™ with Liquid Titanium.

14. Where can I go to receive more information on Kendall Super-D XA™ with Liquid Titanium?

- a. For more information on Kendall Super-D XA™ with Liquid Titanium, please visit <http://lubricants.conocophillips.com/TITANIUM>.