



# URSA<sup>®</sup> PREMIUM TDX

## SAE 15W-40

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### PRODUCT DESCRIPTION

Ursa Premium TDX SAE 15W-40, formulated with ISOSYN<sup>®</sup> technology, is a SAE 15W-40, API CI-4 / ACEA E7 service category engine oil recommended for use in naturally aspirated or turbo-charged diesel engines.

### CUSTOMER BENEFITS

Ursa Premium TDX SAE 15W-40 provides:

- **Excellent engine cleanliness** — assuring an efficient operation.
- **Extended drain intervals** — the ISOSYN<sup>®</sup> technology protects engine, including on extended drain intervals, maximizing engine life.
- **Low oil consumption**
- **Long engine life** — resulting from additives that protect highly loaded parts, minimizing wear.
- **Exceptional filter performance** — soot is dispersed into small particles avoiding early clog of filters and also valve train wear.

### FEATURES

Ursa Premium TDX SAE 15W-40 is formulated with ISOSYN<sup>®</sup> technology, which combines premium Group II base oil with high performance additives that provide:

**ISOSYN<sup>™</sup>**  
**TECHNOLOGY**

- excellent soot dispersancy which reduces sludge buildup and minimizes viscosity increase.
- protection to critical engine parts to help maximize engine life.

ISOSYN<sup>®</sup> technology protects even during extended drain intervals, maximizes engine durability and minimizes operational costs.

Product(s) manufactured in Brazil.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product

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### APPLICATIONS

Ursa Premium TDX SAE 15W-40 is recommended for four stroke naturally aspired, supercharged or turbo-charged diesel engines vehicles operating under any service conditions. It allows extended drain intervals, including when running with high sulfur diesel.

It is also recommended for construction and mining equipment, marine engines, farm machinery and other off-highway heavy duty applications.

It can also be used in gasoline engines, when required API SL and SAE 15W-40 specifications.

Ursa Premium TDX SAE 15W-40 is approved

- **Diesel engine manufacturers' requirements**
  - **Cummins** CES 20078
  - **Detroid Diesel** 93K215
  - **Deutz** DQC III-10
  - **Mack** EO-N
  - **MAN** M3275 & 271
  - **Mercedes Benz** 228.3
  - **MTU** Category 2
  - **Renault** RLD-2
  - **Volvo** VDS-3

Ursa Premium TDX SAE 15W-40 meets:

- **API Service Categories**
  - CI-4 / SL
- **ACEA European Oil sequences**
  - E7-12
- **Diesel engine manufacturers' requirements**
  - **Caterpillar** ECF-2
- **Transmission manufacturers' requirements**
  - **Allison** TES 389 - specification that follows Allison C-4 for off-road vehicle transmissions

## TYPICAL TEST DATA

SAE Grade	ASTM Method	15W-40
<i>Product Number</i>	-	222153
<i>MSDS Number</i>	-	11825BRA
Density at 20°C	D4052	0.880
Viscosity, Kinematic cSt at 40°C cSt at 100°C	D445 D445	105.0 14.5
Viscosity, Cold Cranking Simulator (CCS), -20°C, cP		5,400
Viscosity Index	D2270	138
Flash Point, COC, °C	D92	232
Pour Point, °C	D97	-36
TBN, mgKOH/g	D2896	10.5

Typical test data are average values only. Minor variations which do not affect product performance are to be expected in normal manufacturing.

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