



# TEXACO URSA<sup>®</sup> PREMIUM TDX

## SAE 15W-40

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### CUSTOMER BENEFITS

Texaco Ursa Premium TDX SAE 15W-40 delivers value through:

- **Reduced wear** — Prolonging component life and providing reduced maintenance costs.
- **Improved engine cleanliness** — Providing efficient operation and reduced fuel consumption.
- **Extended drain capability** — Reducing operating costs (approved by Mack, Cummins, Mercedes Benz, MTU, MAN).
- **Oil consumption control** — Controls wear and piston deposits resulting in reduced emissions.
- **Engine durability** even under arduous extended oil drain periods.
- **Long engine life** resulting from additives that protect highly loaded parts from scuffing and wear.
- **Extensive field testing and service use** — A proven track record of meeting customer and OEM requirements.
- **Extended filter life** — Whether in modern electronically controlled engines or older models, helps extend filter life by handling the soot that clogs filters and increases valve train wear.

### FEATURES

Texaco Ursa Premium TDX SAE 15W-40 is a super high performance diesel engine oil (SHPD) specially designed for use in heavy duty turbo-charged diesel engines with extended drain interval approval for various engine manufacturers.

### APPLICATIONS

Texaco Ursa Premium TDX SAE 15W-40 is recommended for four-stroke naturally aspirated, turbo-charged, and supercharged diesel engines in all types of service.

It is ideal for mixed commercial fleets, farm machinery, construction equipment, marine and other off-highway applications as it can also be used in four-stroke gasoline engines.

Texaco Ursa Premium TDX SAE 15W-40 can be used in powershift transmissions requiring Caterpillar TO-2 or Allison C4 fluids.

Texaco Ursa Premium TDX 15W-40 meets:

- **API Service Categories**
  - CI-4 PLUS, CI-4, CH-4, CG-4, CF-4, CF, CD<sup>1</sup>
  - SL, SJ, SH, SG<sup>1</sup>
- **ACEA European Oil Sequences**
  - E7, E5, E3, E2
- **major diesel engine manufacturers' requirements**
  - **Caterpillar** ECF-1
  - **Cummins** CES 20078, 20077, 20076, 20071
  - **DDC** Type 1 and 2
  - **DDC** Power Guard 93K214
  - **EMA** LRG-1
  - **Global** DHD-1
  - **JASO** DH-1
  - **Mack** EO-N Premium Plus 03, EO-N Premium Plus, EO-M Plus, EO-M
  - **MAN** 271, 3275
  - **Mercedes Benz** 228.1, 228.3
  - **MTU** Categories 1 and 2
  - **Renault** RLD
  - **Volvo** VDS-3, VDS-2, VDS
- **performance requirements of**
  - **Caterpillar** TO-2

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1. Obsolete specification

TYPICAL TEST DATA

<b>SAE Grade</b>	<b>15W-40</b>
<i>CPS Number</i>	222153
<i>MSDS Number</i>	8603
API Gravity	28.6
Viscosity, Kinematic cSt at 40°C cSt at 100°C	125 15.5
Viscosity, Cold Crank, °C/Poise	-20/65
Viscosity Index	130
Flash Point, °C(°F)	232(450)
Pour Point, °C(°F)	-33(-27)
Sulfated Ash, wt %	1.44
Base Number, ASTM D 2896	12.2
Phosphorus, wt %	0.144
Zinc, wt %	0.155

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