



Texaco Ursa® Ultra X 10W-40

Ultra high performance synthetic diesel engine lubricant (UHPD)

Product Data Sheet

Product description

Texaco Ursa Ultra X 10W-40 is an ultra high performance synthetic diesel engine lubricant, formulated with the highest quality base stocks and advanced technology additive systems.

This leading edge formulation offers superior lubrication performance and extended engine service life in Euro-4 and latest Euro-5 heavy duty, close tolerance diesel engines. Texaco Ursa Ultra X is designed for use at high temperatures and under the most severe operating conditions. This advanced lubricant is also backward compatible and suitable for use in certain older engines.

Texaco Ursa Ultra X is a low sulphated ash, phosphorus and sulphur (low SAPS) formulation. This latest generation lubricant is designed to provide extended service life and reduce maintenance costs in after treatment systems including diesel particulate filters (DPF), continuously regenerating trap systems (CRT) and engines using selective catalytic reduction (SCR).

Customer benefits

- Excellent long-term wear protection increases engine service life
- Long oil service life extends drain periods, increasing uptime
- Thermal stability improves engine and turbocharger cleanliness, reduces varnish, black sludge and downtime
- Low sulphated ash, phosphorus and sulphur (low SAPS) formulation for reduced emissions output
- Improves service life of DPF, CRT and SCR systems
- Wide temperature performance, viscosity control and shear stability
- Long-term corrosion resistance maximises component service life
- Increased fuel efficiency and engine power output

Product highlights:

- Meets latest Euro-4 and Euro-5 specifications
- Extended oil drain intervals
- Low SAPS
- Extends service life of DPF, CRT and SCR systems
- Selected specification standards and OEM approvals include:
 - ACEA
 - Mercedes-Benz
 - MAN
 - Renault Truck
 - MTU
 - Volvo



Applications

- Recommended for use in severe duty, naturally aspirated and turbocharged diesel truck and bus engines, with open or closed crank case ventilation when very long oil drain intervals are required
- Designed to provide improved performance and service life in after treatment systems including diesel particulate filters (DPF), continuously regenerating trap systems (CRT) and engines using selective catalytic reduction (SCR) technologies
- For the correct oil drain intervals users are advised to consult the relevant manufacturer or the specific engine manual

Approvals

Performance

- | | |
|--------|---|
| • ACEA | E6-04 Issue 2 |
| • ACEA | E7-04 Issue 2 |
| • ACEA | E4-99 Issue 3 valid until 31st Dec 2008 (*) |

Please note this is not ACEA E4-07 as it doesn't meet the TBN limitation of 12 mg KOH per ASTM D2896.

OEM Approvals

- | | |
|-----------------|--------------------|
| • MB-Approval | 228.51 (Pending) |
| • MAN | M3477 |
| • MTU | Type 3.1 (Pending) |
| • Volvo | VDS-3 |
| • Renault Truck | RLD-2/RXD |

Meets the requirements of:

- | | |
|---------|------------------------------------|
| • DAF | HP-2 (see manual on E4 xW-40 oils) |
| • Volvo | VDS-3 LSA |
| • MAN | M3277 CRT |



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continued

Product specifications

TEXACO URSA ULTRA X 10W-40		
TYPICAL DATA		
TEST	TEST METHODS	RESULTS
Viscosity Grade		10W-40
Colour	ASTM D1500	L6.5
Density, 15 °C, kg/l	ASTM D4052	0.860
Visc, Kinematic, 40 °C, mm²/s	ISO 3104	87.8
Visc, Kinematic, 100 °C, mm²/s	ISO 3104	13.5
Viscosity Index	ISO 2909	154
HTHS, 150 °C, mPa.s	CEC-L-36-A-90	3.9
Pumpability, -30 °C, mPa.s	ASTM D4684	23350
Pour Point, °C	ISO 3016	-33
Flash Point COC, °C	ISO 2592	238
Noack volatility, %wt	CEC-L-40-A-93	8.7
Total Base Number, mg KOH/g	ASTM D2896	9.8
Sulphated Ash, %wt	ASTM D0874	1.0

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

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