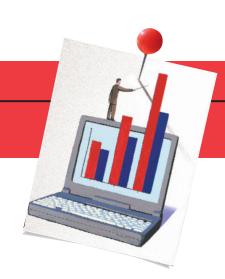
Petro-Canada

TechData

DURONTM UHP 10W-40 ULTRA HIGH PERFORMANCE DIESEL ENGINE OIL





Introduction

DURON UHP 10W-40 is a superior quality heavy duty, low SAPS (Sulphated Ash, Phosphorous, Sulphur) diesel engine oil primarily designed for European trucks and buses to exceed ACEA E6 and API CI-4 Plus performance requirements. It is an Ultra High Performance Diesel engine oil with extended drain capability and excellent all weather performance. DURON UHP 10W-40 is approved for use with leading OEMs and meets the latest European emission legislation: Euro V and VI.

DURON UHP 10W-40 Heavy Duty Engine Oil delivers superior engine protection and operational efficiency. Made with base oils that are 99.9% pure, DURON UHP 10W-40 outperforms ACEA requirements and demanding OEM specifications to provide tangible benefits such as longer engine life, extended oil drain intervals*, better all weather performance and better efficiency resulting in increased productivity.

Features and Benefits

Advanced Engine Protection

- Ultra pure, consistent quality base oils help minimize engine sludge and piston top groove deposits, thereby maintaining 'like new' engine conditions
- Protection and performance that exceed the expectations of the leading OEM

Better Resistance to Oxidative Thickening

- Helps maintain peak fuel economy
- · Extends oil drain intervals
- Ensures continued low temperature protection

Better Low Temperature Pumpability

- · Exceptional cold start-up protection
- Also meets pumpability requirements of an SAE 5W engine oil

Better Shear Stability

 High Viscosity Index (V.I.) base oils and shear stable viscosity modifier help maintain stay in grade viscosity performance for reduced engine wear and improved engine protection over the life of the oil

Less Oil Consumption

- Low volatility base oils decrease vaporisation so less oil is lost, efficiency is improved, and the oil retains more of its fresh oil properties
- Reduces oil top-up frequency

Greater Piston Cleanliness

- Significantly reduces deposit-causing sludge
- Helps maintain engine integrity, performance and efficiency

• Better Resistance against Corrosion

Helps maintain engine performance and efficiency

Better Cam Wear Protection

 Combination of consistent quality base oils and additives help maintain peak engine performance, power and fuel economy

Effective Soot Control

- Effectively controls and disperses particulate matter and soot while controlling viscosity increase
- Helps reduce wear and maintain fuel economy

Applications

Applications include modern low emission diesel engines with cooled exhaust gas recirculation and exhaust after treatment technology.

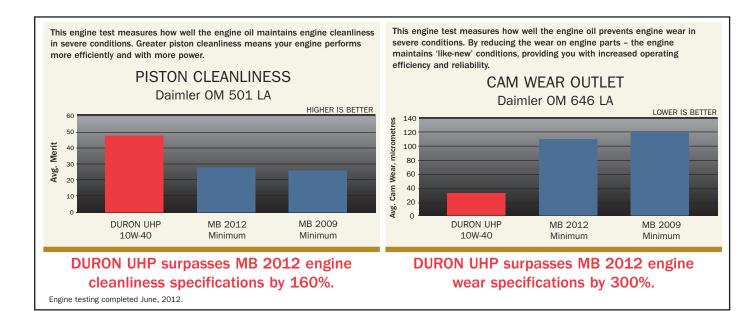
What is the HT difference?

Petro-Canada starts with the HT purity process to produce water-white, 99.9% pure base oils. The result is a range of lubricants, specialty fluids and greases that deliver maximum performance for our customers.

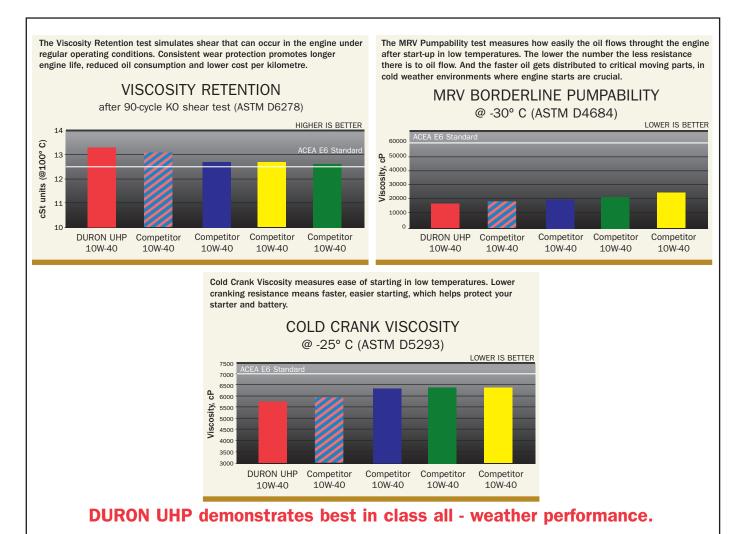


^{*}Extending drain intervals should always be undertaken in conjunction with a regular oil analysis program.

ENGINE PROTECTION



ALL WEATHER PERFORMANCE



Competitive benchmarking completed August, 2012.

NOTE: When benchmarking, Petro-Canada always tests competitive products against industry recognized standards. This means using recognized industry tests, matching product classes, and matching the products being tested as closely as possible by 1) Base Oil Quality (full synthetic vs. synthetic blend vs. conventional), 2) Viscosity Grade (15W-40 vs. 10W-40), and 3) ACEA performance categories (E4, E6, E7, E9)

Approvals and Recommendations

ApprovedSuitable For UseMeets Specification

| v Weeks open | |
|--|------------------|
| Approvals | DURON UHP 10W-40 |
| ACEA | |
| ACEA E6 | ♦ |
| ACEA E7 | ♦ |
| ACEA E9 | ♦ |
| API | |
| API CI-4 Plus | ♦ |
| CATERPILLAR | |
| CAT ECF-2 | ♦ |
| CUMMINS | |
| CUMMINS CES 20078 | 0 |
| DAF | |
| DAF Standard Drain | • |
| Deutz | |
| Deutz DQC III-10 LA | • |
| Mack | |
| Mack EO-N | • |
| MAN | |
| MAN 3271-1 | • |
| MAN 3477 | • |
| Mercedes-Benz | |
| MB-223.2 Specification for Gas Engines | • |
| MB-Approval 228.51 | • |
| MTU | |
| MTU 3.1 | • |
| Renault | |
| Renault VI RLD-2 | • |
| Scania | |
| Scania low ash | 0 |
| Volvo | |
| Volvo VDS-3 | • |
| | |

Typical Performance Data

| PROPERTY | TEST METHOD | DURON UHP 10W-40 |
|---|-------------|------------------|
| Kinematic Viscosity, cSt @ 40 °C cSt @ 100 °C | D445 | 92.83 14.18 |
| Viscosity Index | D2270 | 157 |
| Pour Point, °C | D5950 | -39 |
| HTHS, cP @ 150 °C | D4683 | 4.1 |
| Flash Point, COC, °C | D92 | 237 |
| Cold Cranking Viscosity, cP @ -25 °C | D5293 | 5,750 |
| Borderline Pumping Viscosity, cP @ -30 °C | D4684 | 17,320 |
| Total Base Number (TBN), mg KOH/g | D2896 | 9.5 |
| Sulphated ash, mass % | D874 | 1.0 |

The values quoted above are typical, they do not constitute a specification.

Health and Safety

To obtain Material Health and Safety Data Sheets, contact one of Petro-Canada's TechData Info Lines.

ISO 9001 ISO 14001 ISO/TS 16949

TechData Info Lines

To place an order, please call a Customer Order Management Representative at :

 Canada (English)
 Phone 1-800-268-5850

 (French)
 Phone 1-800-576-1686

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 Phone +86 (21) 6362-0066

You can also e-mail us at lubecsr@suncor.com

To learn more about how Petro-Canada lubricants, specialty fluids, oils and greases can help maximize your equipment performance, savings and productivity, please contact us at:

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