



## **DURON™ CLASSIC HEAVY DUTY ENGINE OILS**

### **Introduction**

DURON CLASSIC engine oils are premium multigrade heavy duty engine oils recommended for engines fueled by diesel, gasoline, propane, or compressed natural gas (CNG), where applications specify API CH-4 / SJ, operating on-highway or off-highway in transportation, mining, forestry, construction, farm and marine applications.

DURON CLASSIC engine oils have strong soot controlling performance, high thermal stability, and exceptional shear stability. DURON CLASSIC meets the performance requirements of API CH-4 and 1998 emissions regulations.

DURON CLASSIC engine oils are formulated with one of the purest base oils in the world; the result of an HT purity process that produces 99.9% pure base oils. That purity helps maximize the effectiveness of the oil's soot controlling chemistry and high performance additive system. Extensive testing, including laboratory bench tests and fleet field trials, clearly prove the outstanding benefits of DURON CLASSIC multigrade engine oils.

### **Features and Benefits**

Demonstrated technology meets and exceeds API CH-4 industry requirements for naturally aspirated or turbocharged high-speed engines.

- **Excellent soot control**
  - Helps prevent soot agglomeration, which:
    - Minimizes soot related engine wear
    - Minimizes soot related viscosity increase, resulting in better maintenance of fuel economy and cold temperature performance and protection
    - Helps reduce filter plugging and permits better oil flow

- **Highly shear stable, they maintain their viscosity grade and retain like new oil properties during extended drain intervals**
  - Excellent resistance to viscosity loss
  - Stable oil pressure
- **Minimizes down time and reduces operating and maintenance costs**
  - Excellent engine wear protection
  - Reduced filter plugging

### **Applications**

Both engine oil grades meet and exceed the performance requirements for:

- API CH-4 and former API categories: CG-4, CF-4, CF-2, CF
- Mack EO-M Plus
- Volvo VDS-2
- Cummins CES 20076, 20072, 20071
- MB 228.1
- MAN 271
- MTU Type 1

### **Car and Light Truck Diesel Engines**

DURON CLASSIC 15W-40 is licensed with API as CH-4/SJ. DURON CLASSIC 20W-50 is suitable for use in diesel powered engines in some smaller vehicles, including cars and light trucks where this viscosity grade and CH-4, CG-4, or earlier specifications are required. Consult your owners manual.

### **Gasoline Engines**

DURON CLASSIC engine oils may be used in gasoline engines requiring API SJ, or an earlier specification. Consult your owner's manual.

#### **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.



## TYPICAL PERFORMANCE DATA

PROPERTY	ASTM TEST METHOD	DURON CLASSIC	
		SAE 15W-40	SAE 20W-50
Flash Point, COC, °C / °F	D92	240 / 464	258 / 496
Kinematic Viscosity			
cSt @ 40°C / SUS @ 100°F	D445	109.7 / 563	171 / 888.7
cSt @ 100°C / SUS @ 210°F	D445	15.4 / 80.6	19.2 / 96.9
Viscosity Index	D2270	149	128
High Temp/High Shear Viscosity, cP @ 150°C	D4683	4.1	5.0
Cold Cranking Viscosity, cP @ °C/°F	D5293	6,000 (-20 / -4)	6,860 (-15 / 5)
Pour Point, °C / °F	D5950	-42 / -44	-36 / -33
Borderline Pumping Viscosity, cP @ °C/°F	D4684	18,500 (-25 / -13)	22,000 (-20 / -4)
Sulphated Ash, % wt	D874	1.0	1.0
Total Base No. (TBN), mg KOH/g	D2896	9.0	9.0

The values quoted above are typical of normal production. They do not constitute a specification.

## Health and Safety

DURON CLASSIC engine oils have no adverse effect on health provided they are used as directed. To obtain Material Health and Safety Data Sheets, contact one of Petro-Canada's TechData Info Lines.



## 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  
**United States** . . . . . Phone 1-877-730-2369  
**Latin America** . . . . . Phone +1-416-730-2369  
**Europe** . . . . . Phone +1-416-730-2389  
**Asia** . . . . . Phone +1-416-730-2372  
**China** . . . . . Phone +86 (21) 6362-0066

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 :

**North America** . . . . . Phone 1-866-335-3369  
**Europe** . . . . . Phone +44 (0) 121-781-7264  
**Germany** . . . . . Phone +49 (0)201 726 2913  
**Latin America** . . . . . Phone +1-416-730-2369  
**Asia** . . . . . Phone +1-416-730-2372  
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Visit us on the web at [lubricants.petro-canada.com](http://lubricants.petro-canada.com)

IM-8068E (2015.01)

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