



## **HARRIER ULTIMATE**

**Product**

**| Type**

**API CJ-4  
SAE 10W-40**

**Fully Synthetic Heavy Duty  
Vehicles Engine Oil**

### **Application**

**Recommended for vehicles manufactured from year 2012 onwards.** QUANTUM Harrier Ultimate is advanced performance SAE 10W-40 multigrade fully synthetic diesel engine oil. This diesel engines meets Euro I, II, III, IV & V emission requirements and running under severe operating conditions. Specifically formulated for lubricants required for EPA 2010 compliant on-highway and Tier 4 non-road diesel engines equipped with after treatment devices such as Diesel Oxidation Catalysts, Particulate Filters and Selective Catalytic Reduction system as well as for previous model year diesel engines. An advanced additive system also provides unsurpassed control of soot, protection of highly stressed piston rings and cylinder liners as well as exceptional protection of valve train systems used in modern diesel engines. It also provides excellent resistance to bore polishing, a high level of wear protection and ensures superior engine cleanliness at extended drain intervals.

### **Meets the Specifications of:**

- |                            |                             |
|----------------------------|-----------------------------|
| • API CJ-4                 | • CAT ECF-2                 |
| • API CI-4 PLUS            | • CAT ECF-1-a               |
| • API CI-4                 | • ACEA E9-08-Issue 2 (2010) |
| • API CH-4                 | • Deutz DQC III-10 LA       |
| • API SN                   | • ACEA E7-04 Issue 2 (2007) |
| • API SM                   | • MB-Approval 228.31        |
| • Cummins CES 200          | • MAN M 3575                |
| • Mack EO-O Premium Plus   | • MTU Type 2.1              |
| • Detroit Diesel DDC 93K21 | • Volvo VDS-4               |
| • CAT ECF-3                | • Volvo VDS-3               |
| • Renault Truck RLD-3      | • MACK EO-O PP-07           |



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Characteristics	Harrier Ultimate
	SAE 10W-40
Density @ 15 C, kg/l	0.863
Pour Point, C	-32
Flash Point, C	223
Kinematic Viscosity, cSt	
@ 40 C	79.33
@ 100 C	12.74
Viscosity Index	160.2
Cold Cranking Visc @ -25C, cP	4,997.6
HTHS @ 150C (cP)	3.822

The product typical may change without notice. However, the performance of the product would meet & exceed the API & OEM requirements



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#### **Customer Benefits**

- Exceeds all major American, European and Japanese OEM and Industry specifications.
- Excellent performance with extended oil drains intervals on low emission engines.
- Exceptional soot dispersions, preventing deposits on critical engine components and provide excellent protection from soot induced wear.
- Excellent TBN retention effectively extends drain interval capability.
- Excellent thermal and oxidation stability that minimized low temperature sludge build-up and high temperature deposits.

#### **Recommended Oil Interval Changes**

Oil change intervals can be as short as 30,000 km or as long 35,000 km on some well-maintained vehicles. We recommend that you follow the oil and filter change frequencies shown in your owner's manual. With the high-performance fully synthetic engine oil, you can have the confidence to go the full mileage or time frame recommended by the vehicle manufacturer. Harrier Ultimate is especially suitable for the latest vehicles with extended drain intervals or vehicles with oil monitoring systems that vary oil drain intervals. and this is subject to first time Quantum Engine Flush.