



HARRIER 20000

API CI-4 SAE 10W-40

(Fully Synthetic Heavy Duty Engine Oil)

Recommended for vehicles manufactured from year 2002 to year 2006.

QUANTUM Harrier 20000 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. Suitable for use with NOx reduction systems and particulate filters and designed for use in combination with low sulfur diesel fuel (maximum 50 ppm)

An advances additive system ensures excellent control over soot induced wear, high temperature piston deposits, corrosion, foaming and oxidation stability. 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:

- ACEA E6-08 (2010)
- ACEA E7-08 (2010)
- ACEA E9-08 (2010)
- API CI-4, CH-4, CG-4
- Renault Truck RGD
- Deutz DQC IV-10 LA
- Scania Low Ash
- MB-Approval 228.51
- MAN 3477
- MAN 3271-1
- MTU Type 3.1
- CUMMINS CES 20076
- CUMMINS CES 20077
- Volvo VDS-3
- Volvo CNG
- Renault Truck RXD
- Mack EO-N
- Mack EO-M Plus
- CAT ECF-1-a





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Typical Product Performance

Characteristics	API CI-4 SAE 10W-40
Density @15 C, kg/l	0.862
Pour Point, C	-32
Flash Point, C	223
Kinematic Viscosity, cSt	
@ 40 C	72.97
@ 100 C	12.68
Viscosity Index	174.91
Cold Cranking Visc @-25C, cP	4,475.50
HTHS @ 150C (cP)	3.852

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

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 9,000 km or as long 20,000 km on some new 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 20000 is especially suitable for the latest vehicles with extended drain intervals or vehicles with oil monitoring systems that vary oil drain intervals.

