



GERMAN TECHNOLOGY - GERMAN INNOVATION

WÜNSCHER Fahrzeugteile GmbH

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QUALITY CERTIFICATE

Wünscher Active HD Plus 10W-40 CK-4

Properties

Active HD 10W-40 is a year-round high-performance engine oil for low-emission engines. Exhaust gas turbocharging and charge air cooling place considerably higher mechanical and thermal demands on engine oils. These more stringent operating conditions are safely mastered even with extended oil retention times. A reliable cold start at low external temperatures and full lubrication at high operating temperatures are ensured.

Application notes

Active HD 10W-40 is especially used in highly stressed Euro IV, Euro V and Euro VI commercial vehicle engines with exhaust gas aftertreatment. Furthermore, it can be used in commercial vehicle and car diesel engines with and without turbocharging as well as in petrol engines (mixed fleet). Engine oils of this performance category are recommended with extended oil change intervals.

Service description

Specifications:

- API SN CK-4
- ACEA E6/E7/E9
- JASO DH-2

Recommendations*:

- Caterpillar ECF-3 / ECF-2/ ECF-1
- Cummins CES 20081 / 20086
- DAF HP-2
- DDC 93K218 / 93K222
- Deutz DQC IV-10LA
- Iveco 18-1804 TLS E9
- Mack EOS-4.5
- MAN M 3477 / 3575 / 3275
- MB 228.51 / 228.31
- MTU Typ 3.1
- Renault VI RLD-4
- Scania Low Ash
- Volvo VDS-4.5/ VDS-4

TYPICAL PARAMETERS	METHODS	UNITS	ActiveHD 10W40
Density at 15°C	DIN EN ISO 12185	kg/m ³	854
Viscosity at 40°C	DIN 51 562	mm ² /s	95.9
Viscosity at 100°C	DIN 51 562	mm ² /s	14.6
Viscosity Index (VI)	DIN ISO 2909	-	157
Pour point	ASTM D 7346	°C	-39
Flash point COC	DIN ISO 2592	°C	234
TBN	ASTM D 2896	mg KOH/g	10.3
Sulphated ash	DIN 51 575	mass %	0.99

* meets the requirements of the OEM manufacturer
 The above values may vary within commercially accepted tolerances