



# GERMAN TECHNOLOGY-GERMAN INNOVATION

Service Car Technology Vertriebs GmbH    Hasenkamp. 4 22880 Wedel/Hamburg Germany

## QUALITY CERTIFICATE

### Senfineco ActiveHD 5W-30 CK-4 SN

#### Properties

**Active-HD 5W-30 CK-4/SN** is an HC-synthetic high-performance low viscosity efficient engine oil for commercial vehicles with a strongly reduced content of sulphated ash, phosphorus and sulphur (Low SAPS).

The use of high- performance additives ensures excellent oxidation and high temperature stability. A good dispersing capacity and the associated piston cleanliness prevent deposits in the engine which could possibly lead to a reduction in performance. At very low external temperatures a safe cold start and fastest possible supply of all lubrication points is guaranteed. Extreme loads are safely controlled, friction losses and wear are reduced. Economic efficiency is significantly improved by low oil and fuel consumption as well as by longer service life of the units.

#### Application notes

**Active-HD 5W-30 CK-4/SN** was developed especially for the economic supply of exhaust-optimized engines with exhaust gas aftertreatment systems (Euro V and VI). Furthermore, it can be used in CNG engines without any problems.

**Active-HD 5W-30 CK-4/SN** can be used all year round under all operating conditions, maintains the effectiveness of the exhaust gas treatment systems over very long running times and allows for extended oil change intervals.

#### Service description

##### Specifications:

- ACEA E7/E8/E11
- API CK-4 / SN

##### Recommendations\*:

- Caterpillar ECF-3
- Cummins CES 20086
- DAF Extended Drain
- Deutz DQC IV-18 LA
- Iveco
- Mack EOS-4.5
- MAN M 3677 / 3477 // 3271-1
- MB 226.9

- DTFR 15C100 (228.31)
- DTFR 15C110 (228.51)
- MTU Type 3.1
- Renault VI RLD-3 / RXD / RGD
- Scania LDF-4
- Volvo CNG
- Volvo VDS-4.5

TYPICAL PARAMETERS	METHODS	UNITS	Active-HD 5W30 CK-4/SN
Density at 15°C	DIN 51 757	kg/m <sup>3</sup>	854
Viscosity at 40°C	DIN 51 562	mm <sup>2</sup> /s	73.5
Viscosity at 100°C	DIN 51 562	mm <sup>2</sup> /s	12.2
Viscosity at -30°C	DIN 51 377	mPa.s	6360
Viscosity Index (VI)	DIN ISO 2909	-	164
Pour point	DIN ISO 3016	°C	-39
Flash point COC	DIN ISO 2592	°C	228
TBN	DIN ISO 3771	mg KOH/g	11.1
Sulphated ash	DIN 51 575	mass. %	0.90

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

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