

Technical Data Sheet

NORC AKTIV-HDF *db*

SAE 10W40 API CJ-4/SN

Super High Performance Engine Oil

PRODUCT DESCRIPTION

NORC AKTIV-HDF *db* SAE 10W40 is a high performance multi-grade fuel economy super high performance diesel (SHPD) engine oil, developed for the latest generation of diesel particle filters (DPF) in utility and commercial vehicles.

NORC AKTIV-HDF *db* SAE 10W40 is designed to operate under severe conditions whenever extended drain intervals are required. These oils are precisely formulated to provide effective control with respect to piston cleanliness and bore polishing. It also provides an excellent wear control, soot handling and lubricant stability.

NORC AKTIV-HDF *db* SAE 10W40 is specially formulated from the highest quality base oils, and state of the art additive technology for optimum protection, giving and enhanced performance and reduced maintenance costs. It fulfills or exceeds the performance requirements of API CJ-4/SN and it is excellently designed for mixed fleet applications, from passenger cars to commercial vehicles. It provides an optimum protection against corrosive wear, foaming and viscosity loss due to shear, valve train wear and oxidative thickening.

BENEFITS

- Excellent engine protection under severe driving conditions
- Excellent viscosity retention
- Optimum protection against corrosive wear and foaming
- Low oil consumption
- Excellent engine cleanliness and protection against sludge and soot
- Thermal and oxidation stability
- Extended drain intervals
- Complies with latest generation diesel particle filters (DPF) requirements

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SPECIFICATIONS

API CJ-4/SN, ACEA E9, CAT ECF-3/2/1-A, CUMMINS CES 20081, DDC 93K218, DEUTZ DQC III-LA, MACK EO-O PREMIUM PLUS, MAN M 3575, MB 228.31, MTU TYPE 2.1, RENAULT RLD-3, VOLVO VDS-4.

TECHNICAL DATA SHEET

PROPERTY	UNIT	TEST METHOD	SAE 10W40
Density @ 15°C	Kg/L	ASTM D4052	0.862
Kinematic Viscosity @ 40°C	Cst	ASTM D445	96.8
Kinematic Viscosity @ 100°C	Cst	ASTM D445	14.3
Viscosity Index		ASTM D2270	152
Flash Point, COC	°C	ASTM D92-05A	> 240
Pour point	°C	ASTM D97	< -36
TBN	mg KOH/g	ASTM D2896	> 11

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.