NANO OIL REFINING COMPANY GMBH

Technical Data Sheet

NORC AKTIV-HD *db*
SAE 10W50 API CI-4/SL
High Performance Engine Oil

PRODUCT DESCRIPTION

NORC AKTIV-HD *db* SAE 10W50 is high quality modern multi-grade engine oil that protects against friction, heat and corrosion, keeping engines healthy and efficient. It is formulated using the highest quality base stocks and state of the art additive technology to ensure a finished product with unmatched performance level.

NORC AKTIV-HD *db* SAE 10W50 fulfills or exceeds the performance requirements of API CI-4/SL 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.

NORC AKTIV-HD *db* SAE 10W50 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.

BENEFITS

- Excellent engine protection under severe operating conditions
- Excellent viscosity retention and stability
- 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
- Prolong engine life and durability

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SPECIFICATIONS

API CI-4/SL, ACEA A3/B3/B4/E7, RENAULT RLD-2, MB 228.3/229.1, MTU TYPE 2, MAN 3275, VOLVO VDS-3, MACK EO-M PLUS, ALLISON C-4, GLOBAL DHD-1, CAT ECF-1-A/ECF-2, CUMMINS CES 20071/-72/-75/-76/-77/-78, DEUTZ DQC III-05, JASO DH-1.

TECHNICAL DATA SHEET

PROPERTY	UNIT	TEST METHOD	SAE 10W50
Color		ASTM D1500	<3.5
Density @ 15°C	Kg/L	ASTM D4052	0.867
Kinematic Viscosity @ 40°C	Cst	ASTM D445	133
Kinematic Viscosity @ 100°C	Cst	ASTM D445	19.5
Viscosity Index		ASTM D2270	165
Flash Point, COC	°C	ASTM D92-05A	> 225
Pour point	°C	ASTM D97	<-33
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.