

# Technical Data Sheet

## **NORC** AKTIV-HD *db* **SAE 15W40 ACEA A3/B4/E7** **Fuel Economy SHPD Engine Oil**

### PRODUCT DESCRIPTION

**NORC AKTIV-HD *db* SAE 15W-40** 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 15W-40** is engineered to fulfill and / or exceed the performance requirements of ACEA A3/B4/E7, 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 15W-40** 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 oxidation stability
- Excellent engine cleanliness and protection against sludge and soot
- Extended drain intervals
- Low oil & fuel consumptions
- Optimum protection against corrosive wear and foaming
- Prolong engine life and durability

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### SPECIFICATIONS

ACEA A3 / B4 / E7  
API CI-4 / SL  
GLOBAL DHD-1  
MTU TYPE 2  
CUMMINS CES 20078  
RENAULT RLD / RLD-2  
MACK EO-M PLUS  
CATERPILLAR ECF-1A / ECF-2  
JASO DH-1  
DEUTZ DQC III-10  
MB 228.3 / 229.1  
MAN M 3275

### APPROVALS

VOLVO VDS-3  
MACK EO-N  
RENAULT VI RLD-2

### TECHNICAL DATA SHEET

PROPERTY	UNIT	TEST METHOD	SAE 15W-40
Density @ 15°C	Kg / m <sup>3</sup>	DIN 51 757	878
Kinematic Viscosity @ 40°C	mm <sup>2</sup> / s	DIN 51 562	103
Kinematic Viscosity @ 100°C	mm <sup>2</sup> / s	DIN 51 562	14
Viscosity Index		DIN ISO 2909	138
CCS @ -20°C	mPa.s	DIN 51 377	5500
Flash Point	°C	DIN ISO 2592	> 220
Pour Point	°C	DIN ISO 3016	< - 33

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.