

## Oscar HDM Zircon Novus 10W40

### PRODUCT DESCRIPTION

**Oscar HDM Zircon Novus SAE 10W40 API CK-4** is an advanced fully synthetic heavy-duty diesel engine oil that helps extend engine life while providing long drain capability and potential fuel economy for modern diesel engines operating in severe applications. This product is formulated to deliver exceptional performance in modern and older hard-working engines. Oscar Zircon Novus is formulated to reduce pollutant emissions, such as HC, NOx, CO and particles and to protect and ensure longevity of post treatment anti-pollution systems, such as particulate filters (GPF, DPF) and three-way catalysts.

### APPLICATION

Oscar HDM Zircon Novus CK-4 oils replace CJ-4 oils with the same viscosity grades and oil types (mineral/semi-synthetic/full-synthetic) and are backwards compatible down to CF-4 oils

**Recommended for both older model and 2017 greenhouse gas, GHG'17 compliant on-highway diesel engines. Ideal for extended drain in both European and US Engines**

This product meets or exceeds the requirements of the latest API and ACEA industry specifications for diesel engine oils, as well as the requirements of many major American, and European engine manufacturers.

### PERFORMANCE LEVELS

Meets and exceeds:

API CK-4/SN, CJ-4/CI-4; ACEA E6-12, E7-12, E9-12; MB 228.51 (DTFR 15C110), 228.31 (DTFR 15C100); MAN M3477, M3677; MTU Type 3.1; VOLVO VDS-4.5, VDS-4; Mack EO-O Premium Plus; Renault Trucks RLD-3; Cummins CES 20081, 20086; Caterpillar ECF-3; DEUTZ DQC III-IV LA; DDC 93K218, 93K222

### TYPICAL PROPERTIES

PARAMETERS	TEST METHOD	UNIT	OSCAR HDM ZIRCON NOVUS
Viscosity Grade			10W40
Density @ 15°C	ASTM D1298	kg/l	0.855
Viscosity @ 100°C	ASTM D445	cSt	12
Viscosity @ 40°C	ASTM D445	cSt	68.5
Viscosity Index (min)	ASTM D2270	-	160
Cold Crank Simulator	ASTM D5293	cP	<7,000 @ -25 °C
Pour Point	ASTM D97	°C	-40
Flash Point	ASTM D92	°C	>230
Total Base Number (TBN)	ASTM D2896	mg KOH/g	10

The values shown above are typical values at the date of publication. Oscar Lubricants reserves the right to change these typical values without prior notice

### HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further information on Safety Guidelines please refer to MSDS available on our website [www.oscarlubricants.com](http://www.oscarlubricants.com)