



Neste Turbo+ NEX 10W-30

Fully synthetic multigrade diesel engine oil

PERFORMANCE CLAIMS

API CK-4, CJ-4, CI-4 PLUS, CI-4

ACEA E11, E9

Caterpillar ECF-3, ECF-2, ECF-1a

Cummins CES 20086, CES 20081

Detroit Diesel DFS 93K222

MAN M 3575

MTU Type 2.1

Renault VI RLD-2, RLD

Volvo VDS-4, VDS-3, VDS-2

APPROVALS

DQC III-18 LA

Mack EOS-4.5

MAN M 3775

MB-Approval 228.31

Renault VI RLD-3

Volvo VDS-4.5

DESCRIPTION

Neste Turbo+ NEX 10W-30 is especially developed for the modern heavy duty diesel engines that have requirements of the American API CK-4 standard and European ACEA E9. It does not contain any traditional mineral base oils and is manufactured from highest quality Group III base oils. Carefully selected raw materials allow it to be used in the most diesel engines.

Neste Turbo+ NEX 10W-30 exceeds the performance criteria of API CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4, CG-4, CF-4 and ACEA E9. It also exceeds original equipment manufacturer (OEM) requirements providing high performance in heavy-duty applications.

As a Mid SAPS (sulphated ash, phosphorus and sulfur) engine oil, it is especially effective at sustaining equipment emission control systems durability where particulate filters and other advanced aftertreatment systems are used. It prevents filter blocking and effectively helps to maintain engine efficiency.

High quality base oil in Neste Turbo+ NEX 10W-30 have less potential of leaving residues providing better engine cleanliness as well as effectively reduces vehicle emissions which is mandatory for new emission legislations.

Highest quality additives additionally helps to keep the engine clean by controlling formation of deposits and maintaining piston cleanliness. This gives reduced oil consumption and increased engine performance. Effective TBN delivery neutralizes acids and in combination with high quality base oil, it prevents corrosion formation and helps to increase drain intervals. Additionally it helps to protect against acid, sludge and varnish formation, prevents soot growth and oil thickening.

Relatively low viscosity, HTHS (high temperature and high shear) level and high quality friction modifiers provides very good fuel economy benefits. Used high quality anti wear agents form protective films on engine surfaces and effectively protects the engine from wear.

Good low temperature performance improves cold start and sustains proper lubrication ability and engine protection until the engine reaches the driving temperature. Additional high shear stability prevents viscosity loss. It is also maintaining the used oil low temperature pumpability.

FEATURES AND BENEFITS

- Good cold start performance
- Fuel economy benefits
- Long drain interval
- Excellent engine cleanliness

TYPICAL CHARACTERISTICS

Viscosity (CCS) @ -25 °C	5900		
Density 15 °C	869	kg/m ³	ASTM D4052
Flash Point (COC)	228	°C	ASTM D92
HTHS viscosity @ 150 °C	3,5	cP	ASTM D4683
Noack Volatility	10,5	%	ASTM D5800
Pour Point	-42	°C	ASTM D5949
Sulfated Ash	max 1,0	w/w %	ASTM D874
Base Number (TBN)	9,9	mg KOH/g	ASTM D2896
Viscosity @ 100 °C	11,8	cSt	ASTM D445
Viscosity @ 40 °C	79	cSt	ASTM D445
Viscosity Index	142		ASTM D2270

APPLICATIONS

Neste Turbo+ NEX 10W-30 is especially suitable for the latest heavy duty diesel engines equipped with aftertreatment systems (DPF, EGR, SCR). Also suitable for older heavy-duty diesel engines. It suits perfectly for new and older Volvo trucks, it is fully backward compatible all the way to VDS-2. It is also suitable for DAF trucks. Please check your equipment suitability according to Performance claims and the Approvals in this product data sheet. Check your car's manual for compatibility.

NOTE!

When using API CK-4 oil with higher than 15 ppm sulfur fuel, consult the engine manufacturer for service interval. API CK-4 oils are developed for use in all applications with diesel fuels ranging in sulfur content up to 500 ppm. However high sulfur fuel may affect exhaust aftertreatment system durability or oil drain intervals.