



Neste Turbo+ VPX 15W-40

Semisynthetic diesel engine oil

PERFORMANCE CLAIMS

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

ACEA E11, E9

JASO DH-2

Allison TES 439

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

Deutz DQC III-10 LA

Mack EOS-4.5

MAN M 3775

MB-Approval 228.31

Renault VI RLD-3

Volvo VDS-4.5

DESCRIPTION

Neste Turbo+ VPX 15W-40 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 is designed to meet the latest and next generation engine oil requirements. Carefully selected raw materials allow it to be used in the most diesel engines.

Neste Turbo+ VPX 15W-40 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 and very low amount of SAPS (sulphated ash, phosphorus and sulfur) in Neste Turbo+ VPX 15W-40 provides excellent 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. Acid neutralization ability in combination with high quality base oil 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.

Viscosity of Neste Turbo+ VPX 15W-40 provides a protective lubricating film on engine surfaces in

combination with high quality anti wear agents it protects effectively the engine from wear even at very high temperatures and loads.

It's excellent high temperature stability prevents oil evaporation thus eliminating the need for constant engine oil top up. Additional high shear stability prevents viscosity loss.

FEATURES AND BENEFITS

- Fuel economy benefits
- Long drain interval
- Excellent engine cleanliness

TYPICAL CHARACTERISTICS

Viscosity (CCS) @ -20 °C	6800		
Density 15 °C	876	kg/m ³	ASTM D4052
Flash Point (COC)	238	°C	ASTM D92
HTHS viscosity @ 150 °C	4,1	cP	ASTM D4683
Noack Volatility	10,2	%	ASTM D5800
Pour Point	-36	°C	ASTM D5949
Sulfated Ash	0,7	w/w %	ASTM D874
Base Number (TBN)	8,5	mg KOH/g	ASTM D2896
Viscosity @ 100 °C	14,3	cSt	ASTM D445
Viscosity @ 40 °C	107	cSt	ASTM D445
Viscosity Index	137		ASTM D2270

APPLICATIONS

Neste Turbo+ VPX 15W-40 is especially suitable for the latest heavy duty diesel engines equipped with aftertreatment systems and EGR. It is recommended for Volvo Penta industrial and marine diesel engines where Volvo VDS-4.5 is needed. Check your car's manual for compatibility.

Best choice for Off-highway applications. Neste Turbo VPX is especially recommended for diesel engines where Volvo VDS-4.5 oils are required. It is also a great product for modern diesel truck engines in mild climates. Please check your equipment suitability according to Performance claims and the Approvals in this product data sheet.

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.