

# Achieve next level results with NEXBASE™ Base Oils



Industry leading OEM  
specification approvals

Global logistics & quality  
systems ensuring reliable  
supply

Improved fuel economy  
with reduced emissions  
and extended durability

**NESTE**  
The only way is forward

**As an independent top-tier  
base oil supplier, Neste offers  
optimized solutions for the  
global lubricant industry.**

[www.neste.com/baseoils](http://www.neste.com/baseoils)



# Tailored base oil solutions globally

Neste offers lubricant blenders top quality group III base oils for engine oils, drive line and industrial applications. Our extensive NEXBASE™ Formulation portfolio is created for our customers so that they can provide the best lubrication solutions for OEM's, motorists and other end users that work reliably in all conditions -and are better for the environment.

## Top-tier formulations for a global market

We serve our customers in different markets with products tailored to local specifications. Neste takes an active role in developing future lubricant formulations; and our extensive portfolio of NEXBASE™ formulations has been developed to meet the most demanding OEM requirements and a wide range of customer needs. We work together with additive companies to keep the pace with automotive PCMO and HDDO specifications and the new formulations in industrial applications.

## Performance without compromising on environmental standards

Neste's base oils help deliver high standards of engine performance, durability and power without compromising on fuel economy or environmental standards. New legislation on emissions, together with ever-advancing catalytic converter technology, mean that base oils need to constantly perform better, facilitate lower emissions, and generate less waste.

Our NEXBASE™ Group III base oils are designed to meet these increasingly stringent environmental and performance requirements. All our products

meet the very same high quality standards, regardless of where they are produced.

## Reliable supply

Reliable product supply is one of the cornerstones of our business. Our increased production capacity, the location of our new base oil production facilities, and improved logistics structure ensure that our base oils are available globally. Products can be supplied in a variety of packaging sizes and we provide multiple transportation solutions. With storage facilities around the world, we can supply all our customers reliably and quickly, wherever you are.

## World-class customer service

Our experienced and customer-minded team is here to serve you! We pride ourselves on responding rapidly to customer enquiries and we assign dedicated personnel to each of our customers. We also carefully select our logistics partners and regularly check to ensure that they maintain the same high standards of customer service that we do. The results speak for themselves, as our customer service regularly gets the best ratings from our customers.



# Local production, global reach

NEXBASE™ 3000 oils (API Group III VHVI base oils and lighter process oils) are produced at Porvoo, Finland and at Sitra, Bahrain. All manufacturing sites are managed and operated according to ISO-9001, ISO-14001, and OHSAS.



## Neste in brief

Neste in brief Neste (NESTE, Nasdaq Helsinki) creates sustainable solutions for transport, business, and consumer needs. Our wide range of renewable products enable our customers to reduce climate emissions. We are the world's largest producer of renewable diesel refined from waste and residues, introducing renewable solutions also to the aviation and plastics industries. We are also a technologically advanced refiner of high-quality oil products. We want to be a reliable partner with widely valued expertise, research, and sustainable operations. In 2017, Neste's revenue stood at EUR 13.2 billion. In 2018, Neste placed 2nd on the Global 100 list of the most sustainable companies in the world.

Learn more at [neste.com](https://www.neste.com)

## NEXBASE™ 3000 series typical properties

	Unit	NEXBASE 3020	NEXBASE 3030	NEXBASE 3043	NEXBASE 3050	NEXBASE 3060	NEXBASE 3080	Analysis method
ISO VG		7		22		32	46	
<b>Basic properties</b>								
Kinematic viscosity at 100°C	cSt	2.2	3.0	4.3	5.1	5.9	7.9	ASTM D 445
Kinematic viscosity at 40°C	cSt	7.6	12	20	26	33	49	ASTM D 445
Viscosity index	()	-	111	122	126	128	130	ASTM D 2270
Pour point	°C	-45	-30	-18	-18	-15	-12	ASTM D 97/5950
Flashpoint, COC	°C	165	190	228	240	240	261	ASTM D 92
Noack at 250 °C	%	-	40.5	14.2	8.4	7.4	3.5	CEC L-40-A-93b
CCS at -30 °C	mPas	-	-	1750	2700	4200	9200	ASTM D 5293
<b>Chemical properties</b>								
Aromatic content	%	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	by IR
PCA	w-%	0.2	0.2	0.2	0.1	0.1	0.2	IP 346
Saturates	w-%	99.8	99.8	99.8	99.7	99.6	99.8	ASTM D 2007
Sulphur content	ppm	<5	<5	<5	<5	<5	<5	ASTM D 5453



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