

08/2024

**ROWE**<sup>®</sup>



**SUNSPEED**<sup>®</sup>

**MOTOR OIL WITH 100%  
BIOSYNTHETIC BASE**

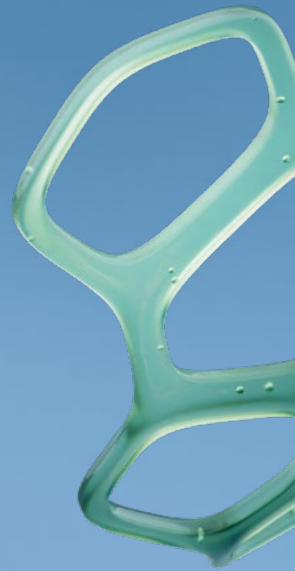
SUNSPEED MADE IN GERMANY

[www.rowe-oil.com](http://www.rowe-oil.com)

**SUN SPEED®**

# PERFORMANCE MEETS SUSTAINABILITY

The new ROWE SUNSPEED® is a motor oil with a 100% biosynthetic base. ROWE SUNSPEED® relies on non-mineral base oils containing high-performance synthetic hydrocarbon compounds synthesized entirely from plant biomass. The innovative lubricant combines sustainability with impressive performance.



## / ROWE MOTOR OILS

### One range. Two alternatives.

SUN SPEED® reflects the existing ROWE range and its extensive manufacturer approvals. With a large selection of viscosities for passenger cars, we offer a sustainable lubricant alternative for all vehicles. In the future, a SUN SPEED® variant for every ROWE motor oil type will be produced at the main plant in Worms, one of the most modern lubricant plants in Europe.



ROWE HIGHTEC

ROWE SUNSPEED®

# 6x TOP SELLING MOTOR OILS + 1x RACING OIL



## BASE OILS MADE OF BIOMASS

From 100% renewable raw materials

## TESTED TOP-RATE PERFORMANCE

Recommended for commonly used standards and specifications

## FULLY COMPATIBLE

Easy filling and refilling of conventional motor oils

## WIDE MARKET COVERAGE

Wide selection of viscosities for many brands

# TESTED TOP-RATE PERFORMANCE

ROWE SUNSPEED® is characterized by excellent cold-starting properties and exceeds the established CCS requirements of SAE J300 pursuant to ASTM D5293. This is a key factor for optimizing fuel consumption. Furthermore, the formulations exhibit minimal evaporation loss even at very high temperatures and achieve excellent NOACK ratings. This is a crucial criterion for optimized oil consumption and consistent oil quality. ROWE SUNSPEED® offers top efficiency, particularly in vehicles with turbochargers, compressors and hybrid vehicles.

## PERFORMANCE FIGURES

- Volatility up to 57%\*1 lower than current OEM requirements.
- Optimum protection from high-temperature deposits in the engine, up to 62% more effective than the motor oil standard API SN\*2
- Turbocharger efficiency and protection, up to 41% better than the motor oil standard API SP\*3

### Evaporation loss pursuant to Noack ASTM D5800

	Standard		SUNSPEED®	Delta
SUNSPEED SYNT RS DLS SAE 5W-30	BMW Longlife-04	< 13%	5.5	57.7%
SUNSPEED MULTI SYNT DPF SAE 5W-30	VW 504 00/507 00	< 11%	7.9	28.2%
SUNSPEED SYNT RSi SAE 5W-40	Porsche A40	< 13%	6.1	53.1%
SUNSPEED MULTI FORMULA SAE 5W-40	Mercedes Benz 229.51	< 10%	9.0	10.0%
SUNSPEED SYNT RS C5 SAE 0W-20	BMW Longlife-17 FE+	< 13%	6.8	54%
SUNSPEED SYNTH RS LONGLIFE IV SAE 0W-20	ACEA C5	< 13%	10.6	18.5%
SUNSPEED RACING MOTOR OIL SAE 10W-60	ACEA	< 11%	2.9	73.6%

\*1 NOACK Test - BMW Longlife 04 - SUNSPEED SYNT RS DLS SAE 5W-30

\*2 TEOST MHT Test - ASTM D7097 - SUNSPEED RACING MOTOR OIL SAE 10W-60

\*3 TEOST 33C Test - ASTM D6335 - SUNSPEED MULTI SYNT DPF SAE 5W-30

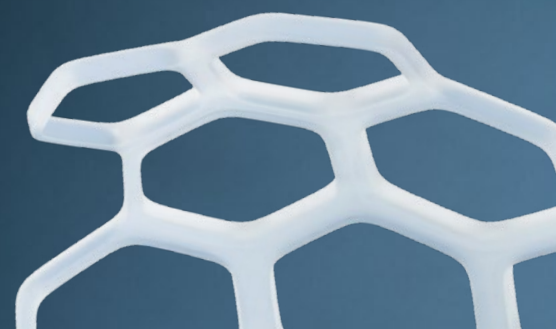
### TEOST\* MHT - ASTM D7097 - Piston Ring Deposit

	API SN	SUNSPEED®	Delta standards
SUNSPEED MULTI SYNT DPF SAE 5W-30	< 35 mg	28.7 mg	- 18.00%
SUNSPEED RACING MOTOR OIL SAE 10W-60	< 35 mg	13.2 mg	- 62.30%

### TEOST\* 33C - ASTM D6335 - Turbo Charger

	API SP	SUNSPEED®	Delta standards
SUNSPEED MULTI SYNT DPF SAE 5W-30	< 30 mg	17.6 mg	- 41.30%
SUNSPEED RACING MOTOR OIL SAE 10W-60	< 30 mg	7.1 mg	- 76.30%

\*Thermo-oxidation motor oil simulation test

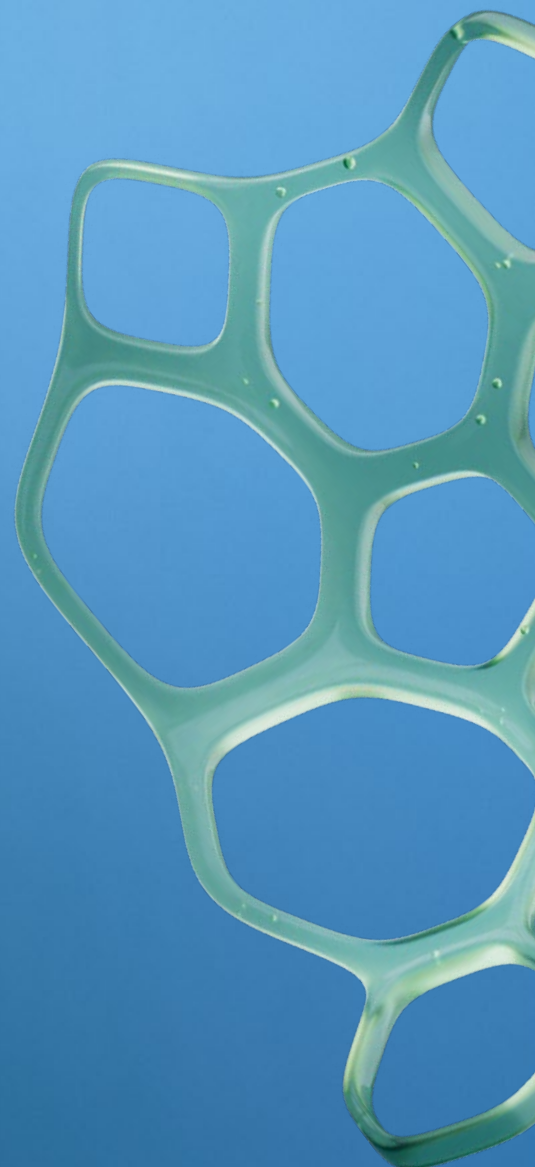


# ROWE SUNSPEED®

## A lubricant with a reduced CO<sub>2</sub> footprint

With its base oils made from 100% plant-based biomass, ROWE SUNSPEED® is a sustainable alternative to mineral oil-based lubricants. According to the cradle to gate approach (from the cradle to the factory gate)\*<sup>1</sup>, the CO<sub>2</sub> footprint of the biosynthetic base oils is approximately -0.50 kg CO<sub>2</sub> equivalent per kilogram of base oil. The negative value therefore has a positive impact on the environment, as more CO<sub>2</sub> is bound during the growth phase of the plant-based raw material than is released during the production of the base oils.

\*<sup>1</sup> depending on the base oil manufacturer



	Crude oil	Renewable	Natural gas
	HC synthetics	Synthetic Hydrocarbon	PAO Polyalphaolefin
	API base oil group		
	III	III	IV
Saturated proportion (%)	>90	100	100
Viscosity index	>120	140	140
PCF* kg CO <sub>2</sub> e/kg	+1	-0.5	+2.5

PCF: product carbon footprint.  
\*Cradle to gate.

ROWE SUNSPEED® has a high degree of application safety and can be used for topping off and refilling engines that were previously using conventional lubricants.

ROWE products are also CO<sub>2</sub>-compensated and are supplied in containers made from more than 50% recycled materials.

### SUSTAINABILITY KEY BENEFITS

- Base oil made from 100% renewable raw materials (relative to the base oil)
- Negative CO<sub>2</sub> footprint of the base oils used, making it less harmful to the environment
- Optimized fuel consumption thanks to excellent cold start properties.
- Reduced oil consumption, thanks to very low evaporation losses.

# #01 Motor oils for passenger cars



Description	Recommendations <sup>a)</sup>	Item no.	Contents	PEU-Pal.	VPE
<b>SUNSPEED SYNT RS C5 SAE 0W-20</b> Multigrade, low-friction motor oil based on 100% biosynthetics for petrol and diesel car engines with and without turbocharging. Ideally suited for use in vehicles with diesel particulate filter systems in accordance with the manufacturer specification.	» ACEA A1/B1, C5, C6 » API SP RC/SN PLUS RC (resource conserving) » ILSAC GF-5/-6A » BMW Longlife-17 FE+ » Chrysler MS-12145 » Fiat 9.55535-GSX/DSX » Ford WSS-M2C947-A/B1/M2C962-A1 » GM dexos D » Jaguar Land Rover STJLR 03.5006 » MB 229.71/229.72 » Opel/Vauxhall OV 040 1547-A20 » Volvo VCC RBS0-2AE	4920379-0050-99	5 l	140	4
		4920379-0010-99	1 l	600	12
<b>SUNSPEED SYNTH RS LONGLIFE IV SAE 0W-20</b> Top-class, multigrade, low-friction motor oil based on 100% biosynthetics with outstanding fuel-saving potential. Ideally suited for current and future petrol and diesel car engines, with and without turbo charging. Specially developed for modern vehicles with exhaust aftertreatment systems.	» ACEA A1/B1/C5 » Porsche C20 » VW 508 00/509 00	4920036-0050-99	5 l	140	4
		4920036-0010-99	1 l	600	12
<b>SUNSPEED SYNT RS DLS SAE 5W-30</b> Multigrade, low-friction motor oil based on 100% biosynthetics for petrol and diesel car engines, with and without turbo charging including soot particle filters. This top-class product is particularly suitable as a rationalization oil in accordance with the stated specifications.	» ACEA C2, C3 » API SN/CF » BMW Longlife-04 » GM dexos2 » MB 229.52/229.51/229.31 » Opel/Vauxhall OV 040 1547-D30 (diesel only) » VW 505 00/505 01	4920118-0050-99	5 l	140	4
		4920118-0010-99	1 l	600	12
<b>SUNSPEED MULTI SYNT DPF SAE 5W-30</b> Premium class rationalization motor oil based on 100% biosynthetics for petrol and diesel car engines, with and without turbocharging including soot particle filters. The use of the highest quality raw materials gives this top product its high level of performance.	» ACEA C3 » API SP/CF » BMW Longlife-04 » GM dexos2 » MB 229.52/229.51/229.31 » Opel/Vauxhall OV 040 1547-D30/G30 » Porsche C30 » VW 503 00/504 00/506 00/507 00	4920125-0050-99	5 l	140	4
		4920125-0010-99	1 l	600	12
<b>SUNSPEED SYNT RSi SAE 5W-40</b> High-performance motor oil based on 100% biosynthetics, specially developed for modern cars with petrol or diesel engines, with and without turbocharging. Its modern concept enables a wide range of applications and ensures safe operation under all operating conditions.	» ACEA A3/B4 » API SN/CF » MB 229.3/226.5 » Opel GM-LL-A-025/GM-LL-B-025 » Porsche A40 » PSA B71 2296 » Renault RN 0700/0710 » VW 502 00/505 00	4920068-0050-99	5 l	140	4
		4920068-0010-99	1 l	600	12
<b>SUNSPEED MULTI FORMULA SAE 5W-40</b> Multigrade low-friction motor oil based on 100% biosynthetics for petrol and diesel car engines, with and without turbo charging including soot particle filters. This product meets a large number of the current manufacturer specifications and is therefore particularly suitable as a rationalization product.	» ACEA C3 » API SN/CF » BMW Longlife-04 » Fiat 9.55535-S2/T2 » Ford WSS-M2C917-A » GM dexos2 » MB 229.31/229.51/226.5 » Porsche A40 » Renault RN0710/0700 » VW 505 00/505 01	4920138-0050-99	5 l	140	4
		4920138-0010-99	1 l	600	12



# #02 Racing motor oils



Description	Recommendations <sup>a)</sup>	Item no.	Contents	PEU-Pal.	VPE
<b>SUNSPEED RACING MOTOR OIL SAE 10W-60</b> Multigrade low-friction motor oil on a 100% biosynthetic basis with the newly developed MULTI-ESTER TECHNOLOGY. Specially developed and tested in racing vehicles. Even under maximum load and critical conditions on the race track, this motor oil shows the highest performance and ensures maximum engine power.	-	4920019-0050-99	5 l	140	4
		4920019-0010-99	1 l	600	12



# SUSTAINABLE BASE OILS

Carbon dioxide (CO<sub>2</sub>), water, light, heat and soil nutrients serve as starting materials for the biosynthesis of vegetable fats. Vegetable oils that consist primarily of pure hydrocarbon molecules and are less prone to contamination than conventional base oils are obtained through the extraction and refinement of these vegetable fats. ROWE SUNSPEED® uses these 100% plant-based, synthesized base oils, which come from renewable resources. This base oil acts as an essential key component in the formulation of ROWE SUNSPEED® – a high-quality, 100% biosynthetic motor oil as an alternative to petroleum-based lubricants.





# **HIGH-PERFORMANCE TEST ON ROWE SUNSPEED®**

From the laboratory to the racetrack, and from there to the shelf – this has long been the development concept at ROWE.

Our involvement in motorsports not only makes our hearts beat faster, but also helps us gain crucial insights. In its "mobile laboratory", ROWE researches new lubricants, optimizes formulations and creates something that no laboratory in the world can replicate: practical testing under extreme conditions. ROWE SUNSPEED® also has its origins here and has been continuously improved over thousands of test and racing kilometers.



# ROWE: A FAMILY BUSINESS LOOKING TO THE FUTURE

We offer our customers a complete range of innovative, high-quality motor oils, coolants and special products for industrial applications.

ROWE products are manufactured using audited, sustainable processes in one of the most cutting-edge lubricant factories in Europe and are available to specialist retailers, mineral oil retailers, workshops and end users in more than 80 countries throughout the world. The family business, founded in 1995 and headquartered in Worms, generated a turnover of around EUR 154 million in 2023 with a workforce of more than 300 people.

## DIVERSE DEVELOPMENT EXPERTISE - A LEADER IN COOLANTS

Thanks to internal research and development, the racing experience of the in-house ROWE RACING team and the latest manufacturing technologies, ROWE achieves the highest quality. Numerous approvals and audits from well-known automobile

manufacturers and other industrial companies prove that ROWE products exceed even the most demanding standards. In particular, when it comes to automotive coolants, we are one of only a few manufacturers worldwide to offer certification according to the automotive standard IATF 16949. Meanwhile, fluids for electromobility are also part of our research and development expertise - a future field in which we are constantly investing.

## SUSTAINABILITY IS PART OF OUR CORPORATE DNA

The company has always been characterized by progressive, sustainable solutions. With the opening of one of the most modern lubricant plants in Europe in 2014, ROWE set new standards in the industry.



 **ROWE IN WORMS**  
One of the most cutting-edge lubricant factories in Europe



The main plant in Worms was designed and built from the ground up with sustainability in mind. This is evident, among other things, in the more than 65 km of pipework. Each of these "dedicated lines" is used exclusively for one specific product. This reduces the environmental impact by avoiding the need to flush the pipes countless times. Waste heat from production is used to heat the buildings and for the production processes themselves. ROWE also boasts an advanced process control system and fully CO<sub>2</sub>-compensated manufacturing. Sustainability has even been taken into account in the company's own containers. Manufactured by subsidiary company Palbo GmbH, they are made from around 50% recycled material.

## CONTINUITY AND PROGRESS IN THE SECOND GENERATION OF THE COMPANY

In early 2024, Alexandra Kohlmann, daughter of company founder Michael Zehe, took the helm at ROWE. Together with long-standing employee and new joint CEO Stefan Wermter, she is leading the company into the future.



## FULL RANGE OF LUBRICANTS

Includes, for example, motor oils with numerous endorsements from manufacturers



## MODERN LABORATORY

Internal research and development





## DEDICATED LINES

More than 65 km of pipelines in the Worms plant

# **ROWE**<sup>®</sup>

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