
SHELL NATURELLE
BALANCING SUSTAINABILITY AND PERFORMANCE
Shell Naturelle lubricants protect your equipment and the environment. They go beyond being "environmentally acceptable" to reducing emissions thanks to renewable and sustainable biobased raw materials, and are now carbon neutral through investment projects that protect and restore nature. Shell Naturelle offers a sustainable choice without compromising on performance.
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INDUSTRIES ARE UNDER PRESSURE TO DELIVER MORE WHILE CONTRIBUTING TO A SUSTAINABLE FUTURE.

This means adapting to rapidly changing standards and regulations, using fewer resources and reducing environmental impact and carbon intensity without compromising on performance.



Lubricants play a vital role in keeping the world moving and machinery operating efficiently. As the world's need for mobility, construction and industrial production increases, so too will the demand for lubricants. There is a collective responsibility to meet this increase in demand while reducing the environmental impact of lubricants.

Suppliers are expected to offer sustainable products and services, and to make it easier for customers to make sustainable choices. Vehicle manufacturers want lower-carbon alternatives for their current and future mobility needs, and industrial customers need to extend equipment life while reducing their net carbon emissions and protecting the environments in which they operate.

Your choice of lubricant is important. The right products and supporting services can help to keep your machines operating efficiently and extend equipment life while reducing environmental impact and carbon intensity without compromising on performance.

REDUCING ENVIRONMENTAL IMPACT

Shell Naturelle lubricants go beyond being environmentally acceptable lubricants (EAL) to setting standards in ecosystem protection and sustainability.

- A high percentage hold EU Ecolabel certification.[1]
- They are well-balanced technically with a high biobase,[2] high biodegradablility,[3] low ecotoxicity[4] and no bioaccumulation.
- They come in packaging with a low carbon footprint that uses more than 25% recycled plastic.
- They are blended using renewable energy[5] and contain sustainably and ethically sourced biobased materials.
- As well as helping to avoid or reduce emissions through material choices and manufacturing processes, Shell Naturelle is now carbon neutral[6] thanks to Shell's global portfolio of nature-based carbon credits.

PROVIDING UNCOMPROMISING PERFORMANCE

In addition to their environmental performance, Shell Naturelle lubricants are formulated to provide uncompromising equipment protection with excellent

- oxidation and thermal stability
- wear protection
- water and air separation
- low-temperature lubrication performance
- polymer seal compatibility.

APPROVED TO THE HIGHEST STANDARDS

Shell Naturelle products have been rigorously tested and hold a range of approvals,* including

- DIN/ISO
- EU Ecolabel
- Swedish Standard (SS)
- USA EPA VGP
- USDA BioPreferred.

*Please refer to each product's technical data sheet for a list of approvals by product.

To qualify for the EU Ecolabel standard, products must help to reduce environmental impact compared with conventional products and thus make a contribution to environmental protection and carbon intensity reduction.



25 YEARS

25 YEARS OF BIODEGRADABLE-LUBRICANTS EXPERIENCE

Shell Naturelle products have been trusted by customers in the marine, forestry and other sectors for more than 25 years.

[1]85% of Shell Naturelle volumes sold in 2019 held an EU Ecolabel licence.
[2]Tested in accordance with ASTM D6866; RSPO-certified source materials.
[3]Readily biodegradable in accordance with OECD 301 B; >60% degraded by the end of the 28-day test.
[4]Meeting the requirements of OECD common acute toxicity tests for assessing EALs according to US EPA requirements.
[5]Bern, Switzerland, 90 MWh of electricity generated from solar energy, representing 19% of the plant's total electricity use and avoiding an estimated 0.004 kt/y of greenhouse gas emissions (2019 data).
[6]In participating locations. "Carbon neutral" indicates that Shell has engaged in a transaction where an amount of carbon dioxide (CO_2) equivalent to the CO_2e amount associated with the raw material extraction, transport, production, distribution and end of life of the product has been avoided as emissions through the protection of natural ecosystems or removed from the atmosphere through a nature-based process. CO_2e (CO^2 equivalent) refers to CO_2, methane and nitrogen oxides.

WHICH PRODUCTS SHOULD I USE?

Reducing the environmental impact of critical operations does not mean that you need to compromise on productivity or protection.

Shell has a broad portfolio of products designed for a wide range of conditions and applications, including lubricants especially suited for environmentally sensitive areas and operations in or near water.

Talk to your Shell representative to find out which products and services are right for your business.

APPLICATIONS	BENEFITS	TECHNOLOGY	ISO VISCOSITY GRADES	SPECIFICATIONS AND APPROVALS*
HYDRAULIC FLUIDS For the agriculture, forestry, construction, mining, power and marine sectors				
Shell Naturelle S4 Hydraulic Fluid				
Hydraulic crane rotator hydraulic systems, hydraulic brake and pitch, controllable-pitch propellers, stabilisers and thrusters	■ Extended oil life ■ Greater oxidation and thermal stability ■ Great wear protection ■ Wide temperature range	Fully saturated ester with advanced ashless (zinc-free) antiwear additives	46	ISO 15380 HEES EU Ecolabel NL/027/019 US EPA VGP 2013 compliant Swedish Standard SS 155434 USDA BioPreferred
Shell Naturelle S2 Hydraulic Fluid				
Hydraulic crane rotator hydraulic systems, hydraulic brake and pitch, controllable-pitch propellers, stabilisers and thrusters	■ Good oxidation and thermal stability ■ Good wear protection ■ Wide temperature range	Fully synthetic ester with advanced ashless (zinc-free) antiwear additives	15, 32, 46, 68	ISO 15380 HEES EU Ecolabel NL/027/019 US EPA VGP 2013 compliant Swedish Standard SS 155434 USDA BioPreferred
GEAR FLUIDS For the agriculture, forestry, construction, mining, power and marine sectors				
Shell Naturelle S4 Gear Fluid				
Industrial gears, bearings in circulation and splash systems Marine propulsion drives, thrusters, controllable-pitch propellers and stern tubes	■ Excellent load-carrying capacity and anti-scuffing performance ■ Excellent water separation ■ Wide temperature range	Fully saturated ester	68, 100, 150	DIN 51517-3 CLP EU Ecolabel on ISO 150 DE/027/290 US EPA VGP 2013 compliant Kongsberg: 68, 100, 150 KHI: 68, 100 Schottel: 100, 150 Brunvoll: 68, 100 Wärtsilä: 68, 100, 150

*For a full list of approvals and specifications, please speak to your Shell representative.

APPLICATIONS	BENEFITS	TECHNOLOGY	ISO VISCOSITY GRADES	NLGI GRADE	SPECIFICATIONS AND APPROVALS*
GREASES For the agriculture, forestry, construction, mining, power and marine sectors					
Shell Naturelle S5 Grease V120P 2					
Plain and rolling-element bearings, and general industrial lubrication	■ Designed for extreme pressure, antioxidant, antiwear and anti-rust ■ Temperature range: −35 to 100°C	Lithium complex	120	2	EU Ecolabel NL/027/019** Rolls-Royce Marine Becker Marine Systems US EPA VGP 2013 compliant USDA BioPreferred
Shell Naturelle S4 Grease U68A 1.5					
Heavy-duty, slow-moving components and gears exposed to sea water Offshore jackup systems	■ Designed for enhanced load carrying and wear protection ■ Excellent mechanical stability in wet conditions ■ Temperature range: −20 to 150°C	Calcium complex	68	1.5	OSPAR Yellow (Norway), E (UK)
Shell Naturelle S2 Grease A600P 1.5					
Wire ropes, cables, fairleads and crane and davit wires Open gears and low-speed plain bearings (<500 rpm) Rudder stocks and trunk voids, propeller caps Dredging bucket wheels	■ Excellent adhesion and wash-off resistance ■ Extreme pressure and antiwear ■ Excellent corrosion protection	Calcium complex	600	1.5	US EPA VGP compliant
Shell GadusRail S4 WFB 000					
Onboard lubricators in rail industry for coating wheel flanges	■ Good anticorrosive properties ■ Favourable flow properties at low temperature ■ Highly adhesive coating ■ Compatible with standard seals and paints ■ Temperature range: −30 to +60°C	Calcium complex	445–475	000	EU Ecolabel SE/027/004 EN 16028

*For a full list of approvals and specifications, please speak to your Shell representative.
**Not cartridges

APPLICATIONS	BENEFITS	TECHNOLOGY	ISO VISCOSITY GRADES	SPECIFICATIONS AND APPROVALS*
STERN TUBE FLUID For the marine sector				
Shell Naturelle S4 Stern Tube Fluid				
Stern tubes and controllable-pitch propellers	■ Designed to offer superior lubrication performance ■ Non-emulsifying ■ High viscosity index providing low-torque system start-up and maintaining fluid film thickness at higher operating temperatures	Fully saturated ester	100	SKF Marine Wärtsilä Propulsion KEMEL AEGIR-Marine EU Ecolabel DE/027/290 US EPA VGP compliant
TRANSFORMER FLUID For industrial transformers, including for traction, wind turbine, electric locomotive, railway, hydroelectric power and tunnel applications				
Shell Naturelle S4 Transformer Fluid I				
Electrical insulating fluid for power and distribution transformers	■ Very high oxidation stability ■ Good dielectric strength ■ Low flammability ■ Efficient heat transfer ■ Long service life	Fully synthetics ester	–	IEC 61099 Type 1 Meets IEC 61039 K-class fire point and Class 3 low heat value

*For a full list of approvals and specifications, please speak to your Shell representative.



REDUCE YOUR CARBON FOOTPRINT AND FIND OPERATIONAL EFFICIENCIES



Shell LubeAdvisor
Technical Advisors

Expert advice from the Shell technical team designed to ensure that you use the right Shell lubricants, at the right time, every time. By helping to improve lubrication and maintenance practices, this service enables you to achieve significant benefits, including increased productivity, less downtime and, ultimately, a competitive advantage. In addition, more-efficient operations can help to reduce your carbon footprint.

Shell LubeAnalyst
Oil Analysis

Oil and equipment monitoring service to help ensure that your machines and lubricants are in optimum working order by identifying potential oil or equipment failures before they become critical. This service is designed to help save money and maintenance time.

Shell LubeCoach
Training Programme

High-quality lubrication training programmes specifically designed to empower staff to deliver the benefits of a well-designed lubrication plan.

Shell LubeMatch
Oil Selector

Find the right oils and greases for your vehicle or equipment using Shell's online lubricant sector tool.

Find out more by visiting
www.shell.com/lubricants