



**More industry.
Less impact.**



**Shell
PANOLIN**

Shell PANOLIN - reduces environmental impact without compromising performance

High-performance ecofriendly nontoxic biodegradable lubricants help customers to manage their product-related sustainability needs while protecting their equipment and the ecosystem they operate in. Many Shell PANOLIN products carry ecolabel certifications. Shell PANOLIN Environmentally Acceptable Lubricants (EAL) are designed with these challenging conditions in mind – as well as the longer oil life and performance needed for use in industrial applications.

Providing uncompromising performance

The Shell PANOLIN range offers biodegradable lubricants designed to provide excellent equipment protection in harsh conditions:

- Temperature: A high viscosity index ensures performance across temperature ranges, offering reliable operations.^{1,2}
- Pressure, speed and loading: Designed to provide shear stability,² wear protection, anti-scuffing properties and robust load-bearing capabilities.^{3,4}
- Environment: Designed to resist dust and water contamination,⁴ with rust and corrosion protection, contributing to equipment longevity.
- Shell PANOLIN S4 HLP Synth 32, 46, 68: The first Bosch Rexroth-approved biodegradable hydraulic oil, designed for uninterrupted equipment operation.⁵

1 Shell PANOLIN S4 hydraulics range* is designed to protect machines over a wide temperature operating range, and high viscosity index fluids enable increased hydraulics efficiency, in comparison with typical HM mineral oils, tested in line with standards ASTM D97, ASTM D2270 and DIN 51360-6. The range also has good cold flow behaviour, reducing the risk of metal-on-metal wear. 2 Shell PANOLIN S4 Gear oils also have high VI providing shear stability, which helps protect components over a wide temperature range. *Excluding Shell PANOLIN S4 NSF 46. 3 Shell PANOLIN S4 Gear oils have excellent shear stability, tested according to industry standard CEC L-48-00-A. 4 Excellent foam control and demulsibility properties (water separation) are coupled with load-carrying characteristics that help to reduce consumption in products such as Shell PANOLIN S4 Stern Tube EAL. 5 Shell PANOLIN S4 HLP Synth, the first Bosch Rexroth-approved biodegradable hydraulic oil, is designed to help equipment operate without interruptions. Measured using industry standards. Actual effects and benefits may vary. No guarantees provided. 6 Source: ASTM D6384-99, "Standard Terminology Relating to Biodegradability and Ecotoxicity of Lubricants" and as defined by EU Ecolabel, particularly when using test adaptations focused on lubricants, such as in EN 17181:2019. 7 Our finished lubricants are tested in accordance with OECD 202 to determine toxic potential, ecotoxicity terminology is defined by ASTM D 6384-99, "Standard Terminology Relating to Biodegradability and Ecotoxicity of Lubricants"***Shell Naturelle products were marketed for more than 25 years, and PANOLIN biodegradables since the 1980s.

Reducing environmental impact

For customers looking to take concrete steps towards improving their sustainability, Shell PANOLIN lubricants present an easy choice.

- When compared to conventional mineral oils, they will have a reduced environmental impact in the event of a leak or accidental spillage.
- A high percentage hold EU Ecolabel certification.
- They are well-balanced technically and readily biodegradable,⁶ with low ecotoxicity.⁷

Approved to the highest standards

Shell PANOLIN protects equipment and the environment with one solution to help customers navigate regulatory requirements and improve environmental stewardship. Products have been rigorously tested and hold a range of certifications including:

ISO 15380 | EU Ecolabel | Swedish Standard (SS) | USA EPA VGP

All products with EAL in the name hold the EU Ecolabel. To qualify for the EU Ecolabel standard, products must help to reduce environmental impact compared with conventional products

Shell PANOLIN products have been trusted by customers in the marine, forestry and other sectors for more than 40 years.* *



Shell
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More industry. Less impact.

Shell PANOLIN offers a wide range of high-performance biodegradable* lubricants, delivering excellent protection** for your equipment and the environment you're working in. Helping you meet your marine goals with less impact.



* Our finished lubricants biodegraded by over 60% after 28 days in the OECD 301 B carbon dioxide evolution test. ASTM D6384-99, Standard Terminology Relating to Biodegradability and Ecotoxicity of Lubricant.

** S4 HLP Synth 32,46,68 are Bosch Rexroth approved biodegradable hydraulic oils, designed to help equipment operate without interruptions.

Shell PANOLIN - Myths

There is a misconception that biodegradable lubricants are not suitable for use with equipment and machinery. Here are three of the most common myths behind this.

MYTH 1

Using biodegradable lubricants can invalidate equipment warranties

Due to a lack of awareness around industry standards, many businesses believe that original equipment manufacturers (OEMs) do not approve the use of biodegradable lubricants with their equipment.

However, many OEMs do approve their use, including:

- Bosch Rexroth¹
- Danfoss² Volvo
- Construction Equipment³
- Her renknecht⁴
- KAISER AG⁵
- Parker Hannifin Corporation⁶

Some even include environmentally acceptable lubricants (EALs) wording in their warranties and specifications.⁷

MYTH 2

Biodegradable lubricants do not meet industry standards whereas mineral fluids do

Biodegradable lubricants meet industry standards but are assessed differently to incorporate the measurement of biodegradation, toxicity and accumulation.

- In Ecolabel specifications (including EU Ecolabel, Swedish Standard and Eco Mark Japan), EAL fluids are required to meet a minimum technical performance.
- Some EALs can also meet mineral oil specifications – including standard DIN specifications for gear oils and greases.

Many OEMs recommend EALs for use in their equipment as they meet or exceed the standards required of a mineral oil fluid.

Examples of Ecomarks and fluids:

- EU Ecolabel example: Shell PANOLIN S4 HLP Synth EAL, Shell PANOLIN S4 Gear EAL, Shell PANOLIN S5 Grease EAL V320 2 and more
- Swedish Standard: Shell PANOLIN S4 HLP Synth EAL, Shell PANOLIN S2 Hydraulic DU EAL, Shell PANOLIN S5 Grease EAL V320 2

MYTH 3

Biodegradable lubricants are in trial phase and not ready for widespread use

Biodegradable lubricants are ready for use across a range of applications and have undergone continual development to meet evolving standards for more than 40 years:

- Since 1978, Ecolabels have been setting high standards for environmentally friendly lubricant formulation.⁸
- In 1989, the Japanese Eco Mark came into force, with the EU Ecolabel founded three years later in 1992.⁹
- The United States Environmental Protection agency issued the Vessel General Permit in April 2013 covering the usage of EALs in commercial vessels greater than 79 feet in length in US waters.¹⁰

Biodegradables are often available in smaller volumes, creating the perception that EALs are at an earlier stage of their development.

Busted:
Three equipment/
machinery myths
around biodegradable
lubricants

Discover more at www.shell.com/panolin

¹ Shell PANOLIN S4 HLP Synth 32, 46

² Shell PANOLIN S4 HLP Synth 15, 46, 68

³ Shell PANOLIN S4 HLP Synth 32, 46

⁴ Shell PANOLIN S2 Hydraulic DU EAL 46, 68

⁵ Shell PANOLIN S4 HLP Synth 15, 22, 32, 46, 68

⁶ Shell PANOLIN S4 HLP Synth EAL 46

Disclaimer

⁷ Simplex Environmental Acceptable Lubricant (EAL) List, Aftermarket.zf Approved lubricant classes PDF (127 KB) and PALFINGER Standard PNORM 04.01.03.

⁸ Blue Angel, 'Ecolabel with history'.

⁹ Eco Mark.

¹⁰ Vessels-VGP, EPA.



Shell PANOLIN - Myths

There is a misconception that biodegradable lubricants do not match the performance of conventional products. We explore three of the most common myths behind this.

MYTH 4

Readily biodegradable lubricants¹ fall apart on contact with water. Water can break down synthetic esters in biodegradable lubricants through hydrolysis, but:



The process occurs very slowly under standard operating and storage conditions.²



The lifetime of any lubricant can be extended by keeping systems clean and dry.



Water levels in well-maintained lubrication systems are minimal.³

Biodegradable lubricants are able to match conventional products for hydrolytic stability.⁴

MYTH 5

Biodegradable lubricants oxidise quickly, resulting in short oil drain intervals

Esters used to formulate biodegradable lubricants make a difference to a product's oxidation stability²:

- Naturally occurring vegetable oils: effective biodegradability at a low cost but prone to oxidation and require frequent oil changes.
- Unsaturated synthetic esters: excellent biodegradability and ecotoxicity performance but lower oxidation stability than saturated esters.
- Saturated synthetic esters: high oxidation resistance and improved stability, alongside excellent biodegradability and ecotoxicity performance.

In some cases, saturated esters can deliver better oxidation resistance than mineral oils.⁵

MYTH 6

Biodegradable lubricants are not compatible or interchangeable with mineral-based lubricants

Across a range of blends, there is clear compatibility between some mineral oils and esters.⁶

- Under low temperature conditions, oil mixtures remain clear, miscible and fluid.
- There is no separation or changes in viscosity between different blends.
- In low-temperature storage, biodegradable lubricants demonstrate equal or better stability.

Although the base fluids may be compatible, additives used to boost performance can be incompatible, and Shell advises for PANOLIN fluids, in line with ISO 15380, that less than 5% mineral based contents should be mixed with the product for optimum performance. Testing is always advised prior to filling.

Fact of Fiction?

Biodegradable lubricants perform as well as conventional products



Discover more at www.shell.com/panolin

¹ Examples include Shell PANOLIN S4 HLP Synth EAL, Shell PANOLIN S4 HLP Synth, and Shell PANOLIN S2 Hydraulic EAL. [How Ester-Based Oils](#)

² [Handle Hydrolysis to Remain the Top EAL for VGP](#), Maritime Report and Engineering News, Whitepaper, July 2015

³ Water levels in static systems are generally lower than 0.01% ppm, making the impact on biodegradable lubricants minimal. Shell PANOLIN

⁴ biodegradable hydraulic lubricants pass Swedish Standard 155434 tests and protocols. Saturated ester based hydraulic fluids last longer (695

minutes) than mineral oil based hydraulic fluids (415 minutes) in an RPVOT oxidation resistance

test (Shell PANOLIN S4 HLP SYNTH 46 Vs Grp II Mineral oil based Hydraulic fluid)

⁵ Understanding Biodegradable Lubricants: An Introduction to 'Green' Oil in Hydraulic Systems Offshore, IMCA, October 2014

[Disclaimer](#)

Shell PANOLIN - approved by leading manufacturers

The Shell PANOLIN range, in particular, Shell PANOLIN S4 HLP Synth 46 has gained written approval by many OEM's as being suitable for use in their applications. OEM's who have approved Shell PANOLIN include:



Shell PANOLIN - Legalisation and eco-labels

The Shell PANOLIN range meets some strict criteria in relation to global legislation and eco-labels. Examples include:

 United Kingdom	 Norway	 Miljøministeriet Miljøstyrelsen Denmark	 www.blauer-engel.de/w178 Germany	 ちきゅうにやさしい 生分解性オイル Japan
 High bio-degradability South Korea	 Croatia	 SS 15 54 34 Sweden	 Ekologický šetrný výrobek 15 - 02 Czech Republic	 ABS TYPE APPROVED PRODUCT USA
 Staatstoezicht op de Mijnen Ministerie van Economische Zaken en Klimaat Netherlands	 www.ecolabel.eu Europe	 GREEN PLUS RINA Italy	 USDA Bio Preferred USA	 EPA United States Environmental Protection Agency USA

Shell PANOLIN - for marine

Balancing performance and sustainability



WHY



Keeping the world moving

Lubricants play a vital role in keeping our equipment operating efficiently, today and tomorrow.



Increased demand

As the world's needs for mobility, construction and industrial production increase, so too will the demand for lubricants.



Reduced environmental impact

There is a need to balance this increased demand with the environmental impact of lubricants.



KEY CHALLENGES

Marine faces tough challenges



Keep up with rapidly changing standards and regulations



Protect sensitive marine ecosystems



Ensure reliability in harsh saltwater conditions



Reduce carbon emissions



Find low-cost sustainability solutions



TECHNOLOGY

Shell PANOLIN biodegradable lubricants are designed to provide equipment protection and offer a choice for customers eager to take tangible steps towards sustainability.

The Shell PANOLIN range of high-performance lubricants helps to run equipment without compromise

More performance, less resources

More regulations, less risk

More productivity, less impact

Shell has developed a wide range of high-performance biodegradable lubricants in collaboration with industry partners, OEMs and customers.

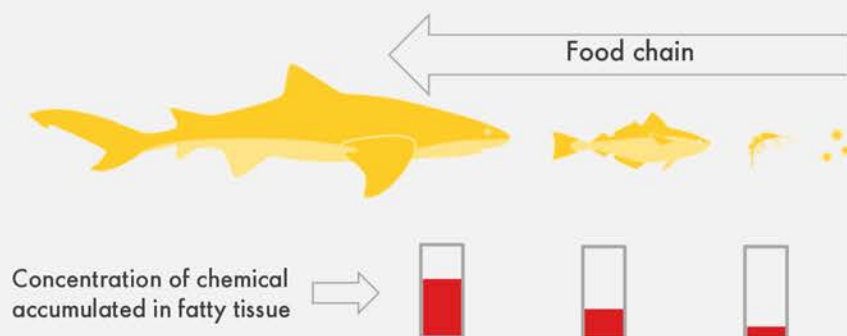


What does non-bioaccumulative mean?

Balancing performance and sustainability

Shell PANOLIN lubricants denoted by EAL are all non-bio accumulative¹, not all biodegradables need to meet this criteria

Bioaccumulation is concerned with the gradual accumulation of toxic chemicals in organisms. Non-bioaccumulative substances resist bioaccumulation because they are metabolised and/or because of their insolubility in the fatty tissues of organisms.



Bioaccumulation is assessed by determining the partition coefficient, bioconcentration factor (BCF), bioaccumulation factor (BAF) or other specific compound parameters, including molecular mass, molecular diameter and mass fraction.

Source: U.S. Environmental Protection Agency 2013 Vessel General Permit

Ways to determine whether a substance is non-bioaccumulative¹

Test method or value	Test method	Criterion "non-bioaccumulative"
Partition coefficient	OECD 107 and 117	Log Kow < 3 or > 7
BCF or BAF	OECD 305, OCSP 850.1710, OCSP 850.1730 or field-measured BAF	< 100 L/kg
Molecular mass	-	> 800 Da
Molecular diameter	-	> 1.5 nm
Polymer mass fraction, 1,000g/mol fraction	-	< 1%



Did you know?

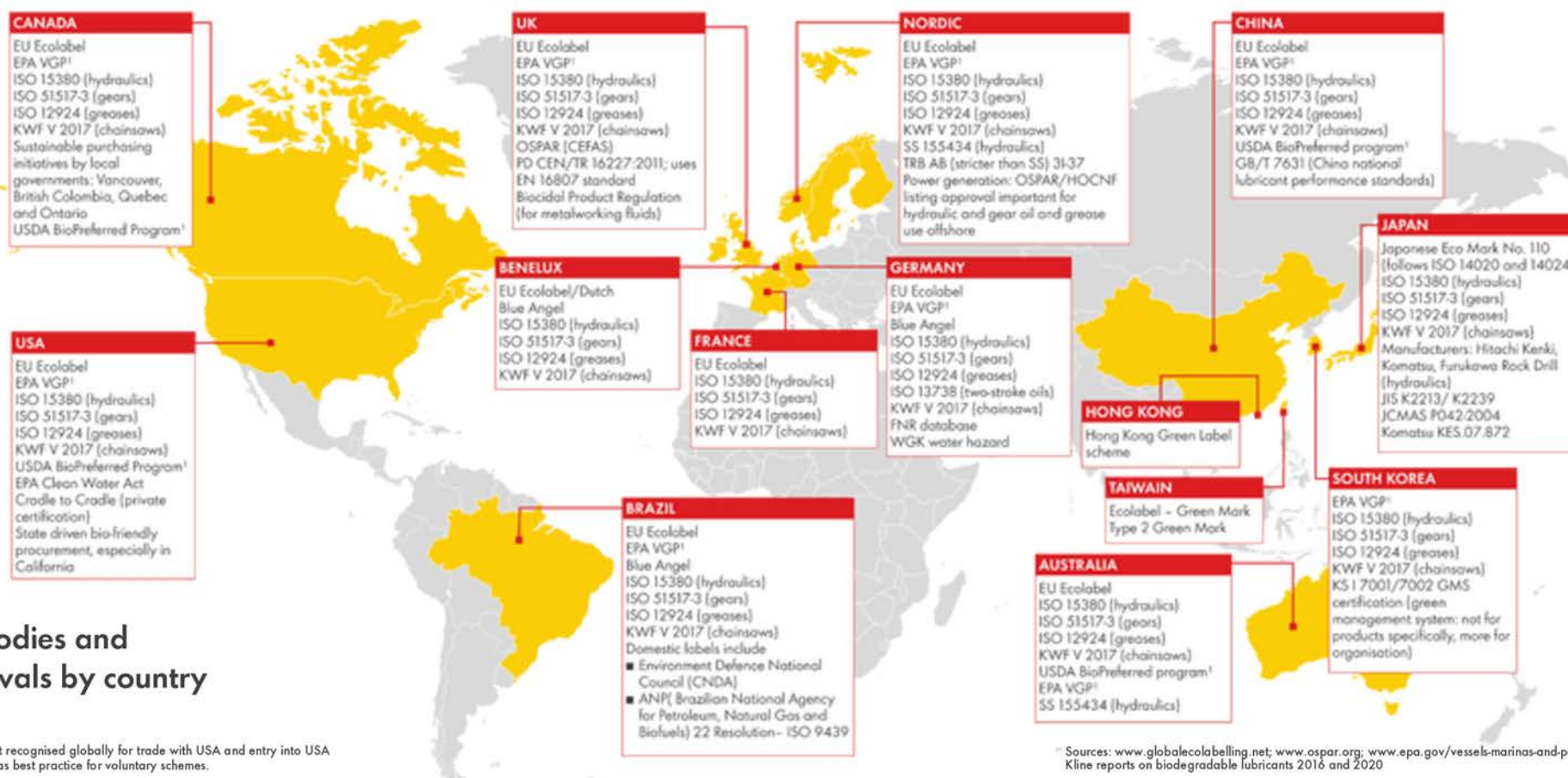
Assessing the biodegradation and bioaccumulation potential of products plays an important role in measuring their ability to persist in and damage the environment. Along with toxicity tests, these tests help in understanding the potential risk that products would have if they were to be released into the environment.

NB: Not all biodegradable lubricants need to meet this requirement, all Shell products meeting this are denoted by the term EAL and most are third-party certified by EU Ecolabel.
#KnowYourEcolabels

Which environmental approvals and standards drive biodegradable lubricant adoption?



**MORE REGULATIONS,
LESS RISK**



Key bodies and approvals by country

¹Origin in USA but recognised globally for trade with USA and entry into USA waters, also seen as best practice for voluntary schemes.

²Sources: www.globalecolabelling.net; www.ospar.org; www.epa.gov/vessels-marinas-and-ports/vessels-vgp
Kline reports on biodegradable lubricants 2016 and 2020



What are the regulations boosting biodegradable marine lubricant use?



**MORE REGULATIONS,
LESS RISK**



Marine regulations are focused on reducing harmful lubricant discharges and safeguarding fragile marine ecosystems.



Increasing pressure from customers is prompting marine operators to adopt sustainable practices and enhance their sustainability efforts.



In the USA, the EPA enforces the Vessel General Permit (VGP), requiring biodegradable lubricants for commercial vessels over 24 meters (79 ft) within 3 miles of US coastlines, including the Great Lakes and various islands, to prevent oil pollution.



The European Union has established the European Marine Strategy Framework Directive (MSFD), which includes guidelines for sustainable maritime practices, including the use of biodegradable lubricants.

Country/ region

Regulation

USA	The VGP mandates the use of biodegradable, low-ecotoxicity and non-bioaccumulative lubricants below the waterline (oil-to-sea interface) and suggests voluntary use above the waterline (on deck).
EU	Belgium mandates readily biodegradable lubricants for inland waterways. In France, the Agriculture Act enforces their use in inland waterways, canals and rivers. Germany follows the VGP for international use and has required Blue Angel or Ecolabel certified lubricants since 2005.
Australia	The use of biodegradable lubricants is recommended for wetlands covered by the Environmental Protection and Biodiversity Act, 2000.

Shell PANOLIN - for marine

Balancing performance and sustainability



PERFORMANCE

**Shell PANOLIN, our range of biodegradable lubricants:
trusted in marine applications for decades.**

Biodegradable:

A broad choice of readily biodegradable, minimally or non-toxic lubricants and greases, including environmentally acceptable lubricants (EAL) certified by EU Ecolabel.^{1,2}

Outstanding equipment protection:

Biodegradable technology designed to provide excellent equipment protection in harsh conditions.

Extended oil life:

Shell PANOLIN range helps to run equipment without compromise, especially our S4 and above.³⁻⁵



Shell PANOLIN S4 hydraulics range* is designed to protect machines over a wide temperature operating range, and high viscosity index fluids enable increased hydraulic efficiency, in comparison with typical HM mineral oils, tested in line with standards ASTM D97, ASTM D2270 and DIN 51360-6. The range also has good cold flow behaviour, reducing the risk of metal-on-metal wear. 2 Shell PANOLIN S4 Gear oils also have high VI providing shear stability, which helps protect components over a wide temperature range. *Excluding Shell PANOLIN S4 NSF 46. 3 Shell PANOLIN S4 Gear oils have excellent shear stability, tested according to industry standard CEC L-48-00-A. 4 Excellent foam control and demulsibility properties (water separation) are coupled with load-carrying characteristics that help to reduce consumption in products such as Shell PANOLIN S4 Stern Tube EAL. 5 Shell PANOLIN S4 HLP Synth, the first Bosch Rexroth-approved biodegradable hydraulic oil, is designed to help equipment operate without interruptions. Measured using industry standards. Actual effects and benefits may vary. No guarantees provided. 6 Source: ASTM D6384-99, "Standard Terminology Relating to Biodegradability and Ecotoxicity of Lubricants" and as defined by EU Ecolabel, particularly when using test adaptations focused on lubricants, such as in EN 17181:2019. 7 Our finished lubricants are tested in accordance with OECD 202 to determine toxic potential, ecotoxicity terminology is defined by ASTM D 6384-99, "Standard Terminology Relating to Biodegradability and Ecotoxicity of Lubricants"***Shell Naturelle products were marketed for more than 25 years, and PANOLIN biodegradables since the 1980s.

Shell PANOLIN - product range

The Shell PANOLIN range includes the high-performance, S4 lubricants , designed to run equipment without compromise. These lubricants help extend oil life compared to unsaturated ester-type fluids, resulting in potential cost savings, reduced environmental impact and less downtime.



Hydraulics

Biodegradable hydraulic fluids for multiple hydraulic applications and viscosity requirements. Shell PANOLIN S4 HLP Synth 32, 46 and 68 are Bosch Rexroth approved biodegradable hydraulic oils designed to help equipment operate without interruptions. There are multiple examples of lifetime filling, as longer oil drain intervals mean less being produced, purchased and disposed of.



Greases

Improve system efficiency, extend equipment service life and drive your productivity with the Shell PANOLIN biodegradable greases. Shell PANOLIN greases can help to maintain or even heighten the efficiency of your systems, even under harsh working conditions.



Gears

Protect your gearbox components from wear and contamination, helping you to drive reliable equipment operations. Increase productivity with effective lubrication that helps your equipment meet its capabilities and perform at optimal efficiency.



UTTO Fluids

Shell PANOLIN Biofluid ZFH is a readily biodegradable universal tractor transmission oil (UTTO) with good thermal ageing stability. Stern Tube Shell PANOLIN S4



Stern Tube

Fluid EAL 100 is a non-emulsifying synthetic fluid specially developed for use in stern tubes. Manufactured from fully saturated esters, designed to offer excellent lubrication performance whilst also being readily biodegradable with low toxicity, an Environmentally Acceptable Lubricant (EAL) and holds the EU Ecolabel.



Engine Oil

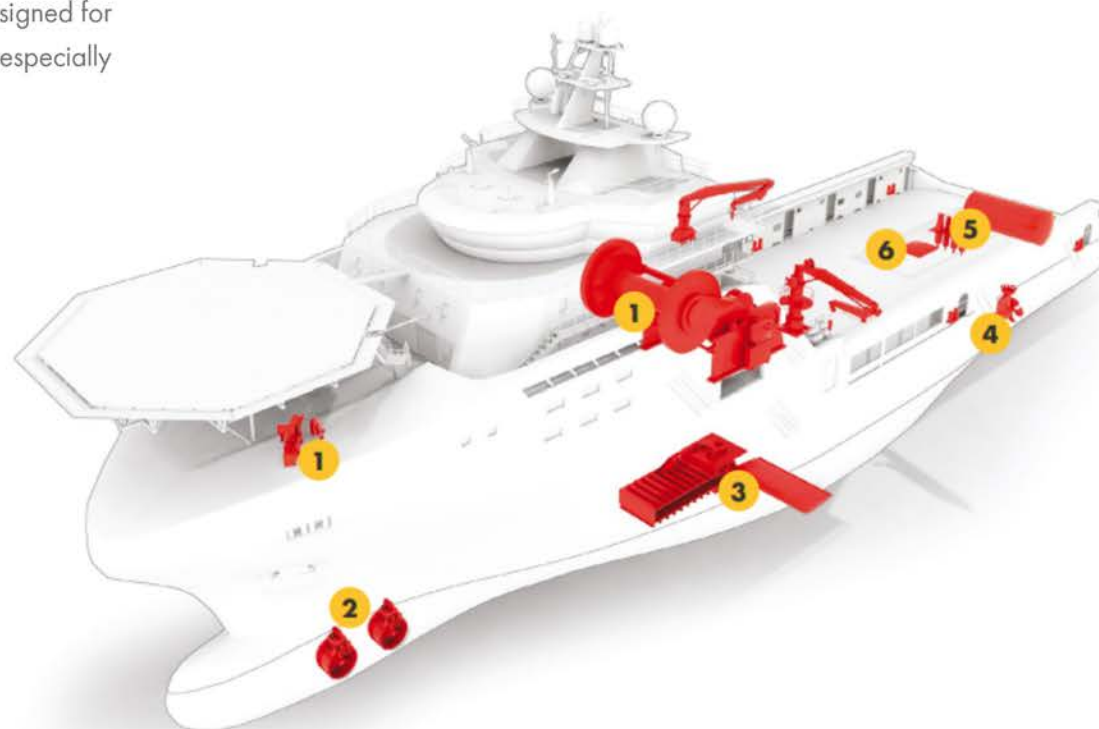
Engine oils based on saturated synthetic esters for the latest diesel engines Euro 4 ,5 and 6 Engines. Actual effects and benefits may vary. For more detailed information on each product and range please see the technical datasheets.

Shell PANOLIN for marine

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 operating conditions and applications; these include lubricants especially suited for environmentally sensitive areas and operations in or near water.

No.	Component	Shell recommendation
1	Windlasses and winches	Shell PANOLIN S4 Gear EAL 68, 100, 150 Shell PANOLIN S4 HLP Synth EAL 46, 68 Shell PANOLIN S2 Hydraulic DU EAL 46, 68 Shell PANOLIN S5 Grease EAL A600P 1.5
2	Thrusters	Shell PANOLIN S4 Gear EAL 68, 100, 150 Shell PANOLIN S4 HLP Synth EAL 46, 68 Shell PANOLIN S2 Hydraulic DU EAL 46, 68 Shell PANOLIN S5 Grease EAL A600P 1.5 Shell PANOLIN S5 Grease EAL VI20P 2
3	Stabilisers	Shell PANOLIN S4 HLP Synth EAL 46, 68 Shell PANOLIN S2 Hydraulic DU EAL 46, 68 Shell PANOLIN S4 Stern Tube EAL 100 Shell PANOLIN S4 Gear EAL 68
4	Propeller shaft seal and stern tube	Shell PANOLIN S4 Gear EAL 68, 100, 150 Shell PANOLIN S4 Stern Tube EAL 100
5	Fair leads, stern roller, rudder	Shell PANOLIN S5 Grease EAL A600P 1.5 Shell PANOLIN S5 Grease EAL VI20P 2
6	Ramps, hatches and doors	Shell PANOLIN S4 HLP Synth EAL 46, 68 Shell PANOLIN S2 Hydraulic DU EAL 46, 68



Product recommendations are typical examples only. Always check the manufacturer's manual for the required products and specifications.



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PANOLIN

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Less impact.**



Shell PANOLIN - Highlights



THE LONDON EYE

100,000 operating hours - without oil change. More than 3.5 million annual visitors.
Hydraulic drive - powered by Shell PANOLIN



THE PANAMA CANAL

Over 13,000 vessels pass through the canal each year, thanks to the 170 Shell PANOLIN-filled hydraulic units.



SIHWA HO

The world's largest tidal power plant is situated on the yellow Sea in South Korea and generates 254 megawatts of electrical output with its ten bulb turbines with the help of Shell PANOLIN.



Shell
PANOLIN

MAERSK

The world's largest container shipping company. An increasing number of their vessels use Shell PANOLIN EALs.



MAERSK



TDX

World-class experience.
Local know-how.

TDX is the authorised Distributor
for Shell Lubricants in New Zealand



TDX as a Lubricant Supplier

TDX imported Agip/eni lubricants in 2009 as a component of our consumables business. When the opportunity came to distribute Shell lubricants, we recognised we would advance to a higher level of brand performance and market acceptance, being more in line with TDX's goal of being number one.

TDX was appointed the New Zealand distributor of Shell lubricants in March 2020. Our supply agreement was renewed in March 2025 for a further five years.

Forty years in the industry as a consumer gives us the perfect template in understanding how and where lubricants fit in the running of a business. The TDX branch network is better equipped to deliver product and expertise than any other supplier.

Our workshops use the lubricants we supply, and we vouch for their performance.

The TDX philosophy is about finding solutions.



TDX as a Lubricant Distributor can offer:

Confidence in Supply:

We have National Distribution Centres in Christchurch and a new purpose built 4,700sqm2 facility in Cambridge.

Local stock holding at all 18 branches and 3PL bulk storage in Christchurch gives our customers the confidence they need to ensure we will have stock available when they need it.

Flexible Delivery Options:

Our custom built bulk delivery trucks are based in Auckland and Christchurch. With the capability to pump-out both IBC and drums, or carry palletised product there is a delivery solution to meet your needs.

Where bulk tanks are installed, TDX can install remote tank sensors which will allow us to monitor levels and be proactive to reach out for delivery planning. You can be sure that your business will ever run out of oil.



TDX as a Lubricant Distributor can offer:

Technical Advice and Oil Condition Monitoring Service:

We provide expert technical advice to help you get the most out of your Shell Lubricants. Our dedicated team is fully trained to Shell's global standards, ensuring you receive the same level of expertise trusted by industries worldwide.

To support reliability and performance, we also offer an Oil Condition Monitoring Service, giving you insights into lubricant health and equipment wear. This proactive approach helps identify potential issues early, optimises maintenance schedules, and extends equipment life – saving time and costs in the long run.

Convenience and Support when you need it :

At TDX, getting your Shell Lubricants has never been easier. With 17 branches nationwide and our convenient online portal, TDX TradeDoor, you can order what you need, when you need it.

Backing this up, we have a dedicated team of Shell Territory Managers strategically located across the country. They're on hand to provide support, guidance, and solutions tailored to your business, ensuring you always get the right product and service for the job.

With TDX, you get the convenience of choice and the confidence of expert support – wherever you are in New Zealand.



Local like you

Our story started simple. Two Kiwi mates, with a passion for engines and a relentless drive to find the right solution and to do the best job for their customers. Over 40 years on, our team is nearly 300 strong, and the machines are better, faster, and more high-tech.

But we've still got that same determination for all things mechanical, and working as a team to do right by our customers, no matter how hard the work is. It's an attitude that holds true when you're here at our place or down at yours.

Yes, we sell, service, and support some of the world's best brands, but down on the ground, it's local knowledge that really counts. Our people know local conditions and industries, and what matters to locals like you. After all, we're part of the same communities you live and work in.

Here's the thing: The world is moving fast, and the products and services our customers expect from us are always changing.

Our industry is about getting your hands dirty, but now it's also about embracing technology, innovation, and sustainability.

We're embracing the changes, constantly upskilling our people and working with our global partners to lead the way in delivering the tailored solutions our customers need.

So here's our commitment to you: no matter what your world looks like next year, or in another 40 years, we'll still be right here, alongside you, delivering the superior sales and service experience you've come to expect.

After all, we're locals just like you. So let's roll up our sleeves and work together to support you and the communities we both call home.





World-class Brand Partners



V O L V O



Linde Material Handling

Linde

KOHLER®

 **Perkins®**

THE HEART OF EVERY GREAT MACHINE

TDX is the exclusive distributor for leading brands such as; Shell Lubricants, Volvo Construction Equipment, Yanmar Construction Equipment, FUCHS Material Handlers, Allison Transmission, Linde Materials Handling Equipment, Kohler Power Generation, and Perkins Engines.

Network

Head Office is in Christchurch with our National Distribution Centre in Cambridge.

Major National Distribution Centres are in Auckland and Christchurch.

TDX has 17 branches nationwide. There are branches in Whangarei, Silverdale, Auckland, Hamilton, Tauranga, Rotorua, Taupo, Gisborne, Napier, Palmerston North, Wellington, Nelson, Greymouth, Christchurch, Dunedin, Cromwell and Invercargill. Energy Hydraulics Limited is our service partner in New Plymouth.



CAMBRIDGE NDC



CHRISTCHURCH HEAD OFFICE



Purpose and Values

Our purpose gives us the reason why people choose to work for and with TDX. When it came to developing our purpose, we asked ourselves three key questions:

- What do we stand for?
- When are we at our best?
- What do our customers value the most from us?

The Answer...

It's **PEOPLE**
that keep our
CUSTOMERS
GOING

Our values are here to guide our team in the decisions we make. It's how TDX people choose to show up for work and the commitments we make to each other and to our customers.

