



# SUSTAINABLE BUSINESS WITH SHELL LUBRICANT SOLUTIONS

**SHELL  
LUBRICANT  
SOLUTIONS**



Embedding sustainable practices is critical in ensuring the long-term success of your business, as we move towards a greener global economy. Shell Lubricant Solutions provides a range of solutions to help our customers achieve operational excellence and reduce environmental impact.



## CO<sub>2</sub> EMISSIONS (PRODUCTIVITY)

Reducing CO<sub>2</sub> emissions is top of the business agenda across all industries, as tighter regulation and consumer demand shifts towards a low carbon economy. But the pressure to maximise output and increase productivity at the same time creates operational challenges. Shell helps customers employ more sustainable practices which serve to avoid or reduce emissions, and provides opportunities for CO<sub>2</sub> offsets by:

- Improving equipment performance and energy efficiency
- Investing in carbon offsetting programmes
- Offering a range of carbon neutral premium lubricants from 2021



## BIODEGRADABILITY (PROGRESS)

Energy, transport and industry operate in increasingly remote and diverse locations. It's key to develop innovative solutions which ensure businesses can flourish while preserving these sensitive environments. Shell offers a range of readily biodegradable lubricants which help our customers grow their business, safely and sustainably

- Shell Naturelle HF-E is a readily biodegradable hydraulic fluid for advanced performance in environmentally sensitive areas
- Shell Diala S5 BD is a high-performance transformer oil which is readily biodegradable.



## WASTE AND CONSIGNMENT (PROTECTION)

To ensure the environments in which we operate are protected, new regulations and industry practices encourage businesses to manage their waste in a more efficient way. Shell Lubricants Solutions' products are designed to extend equipment life to reduce waste and encourage recycling of used parts.

- Shell has increased the recycled content of their lubricants' plastic bottles to 25% in Europe and 40% in North America
- Plastic pails used for Shell Naturelle range currently include 25% post-consumer resin
- Shell Gadus LubeShuttle Screw Cartridges help to ensure that the grease in the container is fully utilised, reducing waste
- Shell Omala S5 Wind 320 offers exceptional lubrication performance and defends against deposit formation to extend gear and oil life
- Shell Tellus S4 VE hydraulic oil offers up to 40,000 hours of oil life and up to 4.4% decrease in energy use



## POST-CONSUMER PRODUCTS (PARTNERSHIP)

As we progress towards a more circular economy, business is increasingly responsible for finding ways to reuse, recycle or repurpose products. Working with a partner with the right expertise allows customers to unlock the ability to increase both profitability and sustainability. Shell helps its customers and partners reach their sustainability goals by:

- Educating maintenance managers on performance benefits of regenerated oils with base oils made from recycled and post-consumer sources
- Helping to identify alternative circular economy components which can be used in bitumen to reduce virgin materials and the energy required to build roads
- Reviewing the use of sustainably sourced raw materials such as re-refined base oils and orbio-derived materials

# NATURE-BASED SOLUTIONS (NBS)

Nature-based solutions are projects which reduce emissions by protecting, transforming or restoring natural ecosystems. To help businesses compensate for unavoidable CO<sub>2</sub> emissions, they can be used as 'carbon credits', where each credit represents the avoidance or removal of gases equivalent to one tonne of CO<sub>2</sub>.

It is estimated that natural climate solutions can provide up to a third of climate mitigation needed between now and 2030 to achieve the 1.5°C target of the 2015 Paris Climate Agreement. Our nature-based solutions programmes support conservation and reforestation projects in the Americas, Europe, Africa, and Asia. From 2021, Shell Lubricant Solutions will extend our offer of carbon neutral products across a series of products in select markets. Please contact your local Shell representative to learn if carbon neutral product offers are available in your market and for the full list of products.

Shell Rhodina GREASE BBZ

Shell Morlina S4 B

Shell Omala S4 GXV

Shell Omala S4 WE

Shell Omala S5 WIND 320

Shell Gadus S5 V100 2

Shell Mysella S7 N ULTRA

Shell Mysella S6 N

Shell Mysella S6 SM

Shell Diala S5 BD

Shell Naturelle HF-E

Shell Naturelle HF-X

Shell Naturelle HF-M

Shell Naturelle GREASE S5 V120P

Shell Naturelle S4 GEAR FLUID

Shell Turbo EE

Shell Tonna S4 M



## SHELL OMALA S5 WIND

Shell's carbon neutral gearbox oil contributes to customer's voluntary emissions reduction targets



## SHELL NATURELLE

The Naturelle range is designed with low ecotoxicity for application in environmentally sensitive areas, including oil-to-sea interface



## SHELL MORLINA S4 B

A high-performance synthetic bearing and circulation lubricant designed to deliver improved energy efficiency and longer oil life, even under severe operating conditions



## SHELL DIALA S5 BD

Shell's readily biodegradable transformer oil is suitable for environmentally sensitive locations that require safeguarding against spills

# STARSHIP



Shell Lubricants Solutions and AirFlow Truck Company collaborated to develop Starship, a Class 8 tractor trailer designed to push boundaries of what's possible in truck design, fuel economy savings, and CO<sub>2</sub> reduction.

Starship was sent to travel from across the US, to demonstrate how energy efficient goods could be transported by road. On its coast-to-coast journey, it reached 178.4 ton-miles per gallon [68.9 tonne-kilometres per litre] in freight tonne efficiency (FTE) - a 248% improvement in today's standard North American FTE15. In addition, the Starship's total average fuel economy stood at 8.94 US miles per gallon [3.8 kilometres per litre], beating the US average of 6.4 US miles per gallon.