Shell Lubricants Products

Environmentally Considerate Lubricants

Working in environmentally sensitive areas

- National and local governments in many parts of the world have introduced regulations which restrict the use of lubricants based on mineral oils in environmentally sensitive areas such as inland waterways, forests, flood defences, ski slopes and mining. This kind of regulation is becoming more widespread.
- These regulators recognise that using environmentally considerate lubricants allows work to continue whilst reducing potential environmental impacts.

Shell recognizes the importance of protecting your equipment

- As part of Shell's own commitment to sustainable development, the company has developed a range of environmentally considerate lubricants which not only help you meet your regulatory obligations, but also provide adequate protection for your equipment assets.

Shell understands the role that environmentally considerate lubricants play in your business

- Reducing impacts in environmentally sensitive areas reflects your commitment to sustainable development, enhances your corporate reputation and makes good business sense.
- Shell's range of environmentally considerate lubricants covers the majority of your lubrication requirements.
- This range includes Environmentally Considerate Lubricants (ECLs) for applications in which total or partial loss of lubricant to the environment is likely, for example in mining, forestry or earth-moving applications.

Shell portfolio of products to help you compete in your market

APPLICATION	PRODUCT BRAND	DESCRIPTION	TYPICAL APPLICATION
Hydraulic Systems	Shell Naturelle HF-E	Ester-based hydraulic fluid	Power transmission and hydraulic systems working in environmentally sensitive areas
Gears	Shell Naturelle Gear Fluid EP	Industrial gear fluids	Gear and bearing oils particularly suited to severe duty conditions
Chains	Shell Naturelle Chain Fluid SM	Chain saw fluids	Chainsaw and transport chain lubrication
Grease	Shell Naturelle Grease EP	Industrial multipurpose greases	Suitable for use in a wide range of applications where environmental sensitivity is required
Mould Release	Shell Naturelle Mould Release 1206	Mould Release	Typically for moulding applications in the concrete industry

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Performance Specifications

- Although there is no generally approved definition of environmentally considerate lubricants, in this context this category includes all of Shell's lubricants formulated to reduce human and environmental impacts.
- The key requirements are biodegradability and low eco-toxicity, as measured by OECD 301B, 201, 202 & 203. Some other specifications exist such as CEC-L-33-T-A93, ASTM D-6046-98a and national eco-labelling schemes such as Blue Angel (Germany).
- Consult individual product data sheets for details of performance specifications.

OEMs

- Various products in Shell's range of environmentally considerate lubricants are listed by leading OEMs such as Herrenknecht and SauerDanfoss.

Availability

- The various product families are offered in ISO viscosity grades ranging between 32 and 68. They also come in very varied packages. The most common are 20 liter or 5 gallon pails and 209 liter or 55 gallon drums. However, depending on the geography and country, it is also possible to find other packaging. These are subject to local Shell commercial and supply chain conditions.

Key customer needs and Shell product benefits

WHAT CUSTOMERS TYPICALLY NEED FROM ENVIRONMENTALLY CONSIDERATE LUBRICANTS	VALUE BENEFITS AVAILABLE FROM THE SHELL PRODUCT RANGE	APPLICATION ADVANTAGE FROM WHICH THE BENEFITS ARE DERIVED	PRODUCT FEATURES WHICH DELIVER THE APPLICATION ADVANTAGES
Ability to operate in environmentally sensitive areas	Regulatory compliance, enhanced reputation	Reduced environmental impacts	Biodegradability and low eco-toxicity under specified test methods
Longer equipment component life	Lower operating costs	Longer component life	Excellent thermal stability
Robust protection of equipment	Reduced replacement costs	Equipment protection	Outstanding anti-wear performance
Appropriate oil life	Reduced risk of unplanned downtime	Appropriate protection, maximising available oil life	Excellent oxidation resistance
Reliable operation of hydraulic systems	Lower lubrication costs	Reduces incidence of filter blockage	Superior filterability
Trusted and proven performance	Peace of mind, ability to focus on core business	Rationalization of the inventory is possible	Approved or recommended by leading OEMs

'Shell Lubricants' refers to the various Shell companies engaged in the lubricants business.