

Shell Lubricants



AUTOMOTIVE COMPONENTS RUBBER AND TYRES

Lubrication designed for increased productivity and environmental compliance

DESIGNED TO MEET CHALLENGES

At Shell Lubricants, working closely with the world's leading rubber and tyre manufacturers helps us to understand your challenges. We appreciate that to succeed in the competitive global marketplace, you need to meet new environmental specifications, and constantly strive to reduce downtime and increase production.

We understand the pressure to increase production efficiency, reduce energy use and cut costs while complying with health, safety and environmental requirements.

From rubber extender oils that meet the latest health and safety requirements to long-life greases, we supply a wide range of innovative lubricants backed up by global expertise delivered by on-the-ground technicians. Our lubricants and supporting services can help you to extend equipment life through enhanced protection, reduce energy consumption and increase equipment availability and productivity.

LONG OIL LIFE

A global tyre manufacturer was experiencing press breakdowns and excessive hydraulic-pump wear. It suspected that the hydraulic fluid was underperforming. After providing face-to-face technical support through our Shell LubeAdvisor service, we suggested changing to Shell Tellus S2 V hydraulic oil and using the Shell lubeAnalyst oil and equipment condition monitoring service. The company reports saving over \$13,000¹ a year through reduced maintenance time and extended hydraulic pump life.

MEETING DIRECTIVES

Shell Flavex 595 is an aromatic process oil used as an extender oil in the manufacturer of tyres. It is made from residual aromatic extracts (RAE) to produce summer, all-season and high-performance tyres. It offers an alternative to traditional distillate aromatic extract (DAE) products and fully meets the requirements of EU Tyre Directive 2005/69/EC, avoiding some of the health risks associated with DAE oils. Shell supplies this high-quality product to many of the major tyre manufacturers internationally.



WHERE LUBRICANTS CAN ADD VALUE

Some examples of ways that lubricants can help your operation to run more efficiently

1 ENERGY EFFICIENCY

2 ENERGY EFFICIENCY

3 ENHANCED PROTECTION

4 EFFICIENT OPERATIONS

5 ENVIRONMENTAL COMPLIANCE

6 REDUCED RUBBER CONTAMINATION

7 ENHANCED PROTECTION

BANBURY MIXER

1 ENERGY EFFICIENCY increase of 8%¹ and extended oil life by using Shell Tellus S4 ME synthetic hydraulic fluid

2 ENERGY EFFICIENCY and long service life by using Shell Omala S4 GX advanced gear oil

3 ENHANCED PROTECTION using Shell Morlina bearing and circulating oils

4 EFFICIENT OPERATIONS through Shell LubeExpert technical advice and Shell LubeCoach training

5 ENVIRONMENTAL COMPLIANCE by using Shell Flavex 595 process oil

6 REDUCED RUBBER CONTAMINATION using approved Shell process oils from the Shell Catenex, Shell Ondina and Shell Flavex ranges

7 ENHANCED PROTECTION using Shell Gadus greases

APPROVALS AND SPECIFICATIONS

For years, we have been working with tyre-making-equipment manufacturers and tyre companies. Shell lubricants are either approved by or meet the specifications and requirements of the industry, including

- Bridgestone
- Continental
- Farrel
- Harburg-Freudenberger Maschinenbau
- Kraus/Maffei Berstorff
- Michelin
- Nexen Tire
- Pirelli
- Triangle Tyre
- Troester.

FIND OUT MORE – TALK TO SHELL LUBRICANTS

Challenge us to demonstrate our plan for adding value to your rubber and tyre manufacturing facility by contacting your local Shell Lubricants customer service centre.

shell.com/autocomp

¹Average of Shell and customer-reported evaluations. The actual energy savings may vary, depending on the application, the current oil, the maintenance procedures, the equipment condition, the operating conditions and the intensity of hydraulic power usage.

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

