

Shell Lubricants



PLASTIC INJECTION MOULDING

Lubrication designed for reduced maintenance costs, increased productivity and greater energy efficiency

DESIGNED TO MEET CHALLENGES

At Shell Lubricants, working closely with the plastics injection moulding industry worldwide helps us to understand your challenges. We appreciate the pressure to reduce operating costs and increase productivity.

From energy-efficient hydraulic oils to high-performance greases, we supply a wide range of innovative lubricants backed up by international expertise delivered by on-the-ground technicians. Our lubricants and supporting services can help you to reduce maintenance and energy costs, increase equipment availability and maintain product quality.

INCREASING PRODUCTIVITY

A company that manufactures plastic components for the global automotive industry using 53 injection-moulding machines wanted to reduce its maintenance costs and increase productivity.

Our experts worked with the manufacturer to understand its systems' requirements. They then recommended changing to Shell Tellus S2 M hydraulic oil and using the Shell LubeAnalyst oil and equipment condition monitoring service.

The company reports that it is saving over \$69,000¹ a year through

- extended oil-drain intervals
- increased equipment availability.

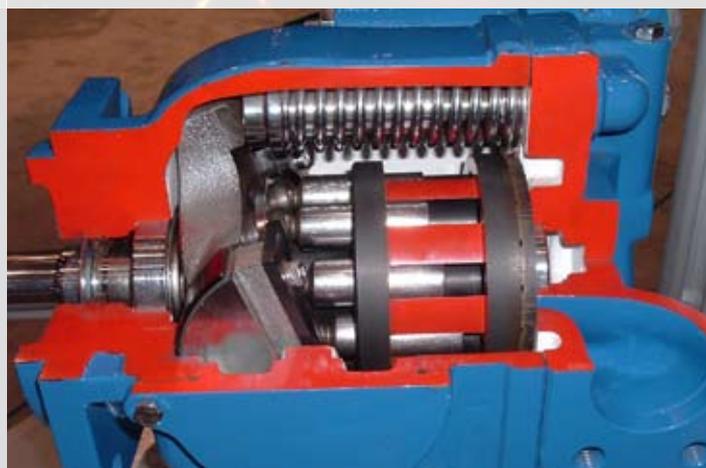
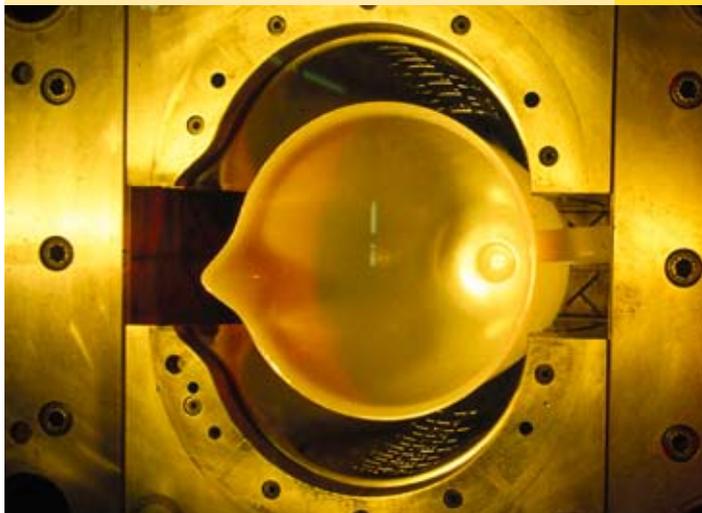
EXTENDING OIL LIFE

A plastic manufacturer was dissatisfied with the performance of its screw-type air compressor lubricant. The oil had poor thermal and oxidation stability, which meant that it had to be changed every 5,000 hours.

Our experts visited the facility to assess the situation. They recommended using Shell Corena S4 R synthetic compressor oil and the Shell LubeAnalyst service, and offered on-site training and advice.

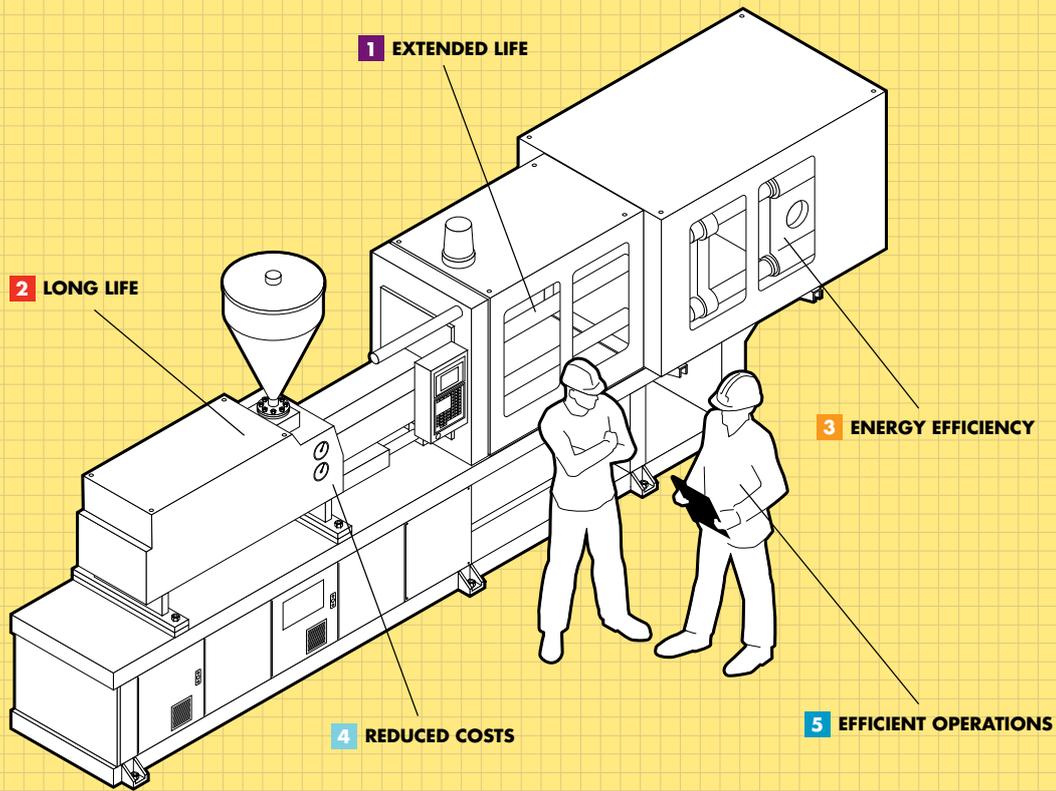
The company reports saving over \$12,000¹ annually per compressor by

- increasing oil-drain intervals to 10,000 hours
- reducing oil consumption by 50%.



WHERE LUBRICANTS CAN ADD VALUE

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



- 1 EXTENDED LIFE** for reduced maintenance costs with Shell Gadus S5 V220 grease
- 2 LONG LIFE** and energy efficiency with Shell Omala S4 GX synthetic gear oil
- 3 ENERGY EFFICIENCY** increase of 8%² and extended oil life using Shell Tellus S4 ME synthetic hydraulic fluid
- 4 REDUCED COSTS** with LubeAnalyst used-oil analysis for preventive maintenance
- 5 EFFICIENT OPERATIONS** with Shell LubeExpert technical advice and Shell LubeCoach training

APPROVALS AND SPECIFICATIONS

So that you get the most from your machines, we work closely with equipment manufacturers. Shell lubricants for plastic injection-moulding operations are either approved by or meet the specifications of many equipment manufacturers, including

- ARBURG
- Engel
- Husky Injection Molding Systems
- KraussMaffei Technologies
- Milacron
- Niigata Machine Techno
- Sumitomo (SHI) Demag Plastics Machinery.

FIND OUT MORE, TALK TO SHELL LUBRICANTS

Challenge us to demonstrate our ability to add value to your plastic injection-moulding operation by contacting your local Shell Lubricants customer service centre.

shell.com/autocomp
shell.com/manufacturing

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

¹Saving reported by one customer. Actual savings may vary, depending on the application, the current oil used, the maintenance procedures and the condition of the equipment.

²Average of Shell and customer-reported evaluations. 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.

