



# Shell Lubricants

FOOD AND BEVERAGE

Heavy-duty grease,  
Shell FM Grease HD 2,  
leads to excellent lubricant  
performance and doubles  
slide tool life

Total annual  
customer saving  
per machine

**US\$9,085**

**Country:** South Africa  
**Application:** Formax Patty Press  
**Saving:** US\$9,085 total annual  
customer saving per machine  
**Key edge:** Shell FM Grease HD 2

*This South African food processing  
plant specialises in the high volume  
production of food coated products.*

**The customer was being forced to change  
operating slides prematurely due to poor  
quality grease which failed to protect  
against component wear.**

Shell recommended the use of Shell FM Grease HD 2 on the slide components. Improved lubrication performance led to a slide lifetime increase of 100% along with reducing product consumption and labour costs. As a result of this exercise, the customer realised a total cost saving of US\$9,085 over the year.

PTH0006



DESIGNED TO MEET CHALLENGES





## 1 The Challenge:

The customer was experiencing poor performance from its existing lubricant that was causing abnormal component wear and unscheduled maintenance.

## 2 The Solution:

Having a good business relationship with the customer, the Shell Technical Team were able to identify the problem and recommend a more effective lubricant to solve it. The slides were lubricated by hand with Shell FM Grease HD 2, a heavy-duty grease specifically designed for use in the food industry, and performance was closely monitored.

## 3 The Outcome:

The introduction of Shell FM Grease HD 2 led to a significant improvement in operational performance including:

- An increase in component life
- An increase in operational performance and productivity
- A reduction in unscheduled maintenance and downtime
- The reduction of labour costs associated with downtime maintenance

## 4 The Value:

The superior performance of Shell FM Grease HD 2 illustrated that even after a complete plant washdown, the slides were still well lubricated. The product's performance led to an increase in overall productivity and the total annual cost saving for this exercise can be calculated at US\$9,085.

The savings indicated are specific to the calculation date and mentioned site. These calculations may vary from site to site depending on application, operating conditions, current products being used, condition of the equipment and maintenance practices.

### Shell FM Grease HD 2

#### Heavy-duty grease for the food industry

Shell FM Grease HD 2 is a heavy-duty product specially designed for the grease lubrication of food processing machinery where frequent changes and re-applications of the grease charge are required. It is based on a modified aluminium complex thickener, selected base oils and additives chosen for their ability to meet the stringent requirements of the food industry.



#### Performance features and benefits

- Good wash out resistance to hot and cold water
- Good oxidation and mechanical stability
- Good corrosion prevention characteristics
- Good adhesive properties
- Neutral odour and taste
- Does not contain any natural products derived from nuts or genetically modified organisms (GMO)

#### Main applications

- This product is recommended for use in machinery where frequent changes of the grease charge are required or there is a high product consumption rate
- Slow and medium speed plain and rolling element bearings
- Heavy-loaded and shock-loaded applications
- Joints, linkages and slides

- Overhead track systems
- Shell FM Grease HD 2 may also be used as protective anti-rust films and as release agents on gaskets and seals of tank closures

#### Food grade specifications

- Kosher
- Halal

#### Complementary products

Equipment	Lubricants
Bearings	Cassida Greases
Chains	Cassida chain oils, Cassida greases
Hydraulics	Cassida Fluid HF
Compressors	Cassida Fluid CR
Gearboxes	Cassida Fluid GL
Open Gears	Cassida Grease HDS 00
Vacuum Pumps	Cassida Fluid HF, Cassida Fluid VP
Penetrating Oil	Cassida Fluid PL
Electric Motors	Cassida Greases



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