



# Shell Lubricants

GENERAL MANUFACTURING

## Shell Lube**Analyst** and Shell Corena AS 68 extend oil drain intervals and reduce oil consumption – by 100%

Total annual customer saving **US\$12,185**



*Pilsa Plastic Incorporated in Turkey has been an industry leader in technology and production capacity since 1971.*

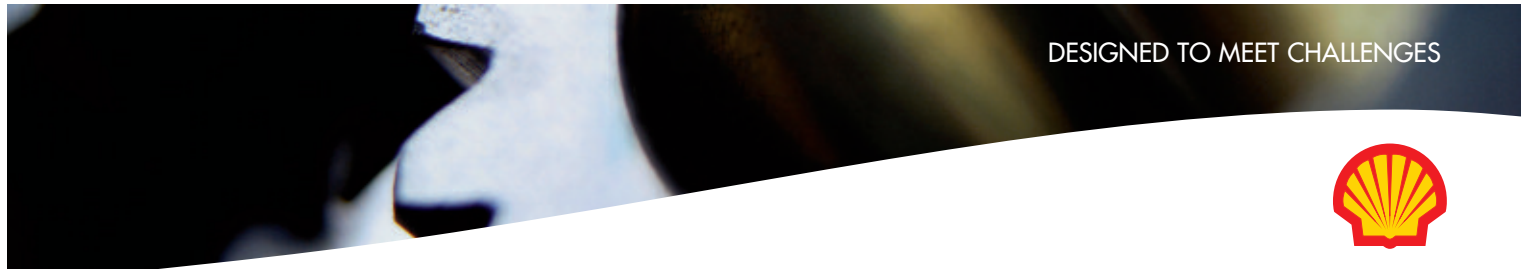
**The customer was experiencing excessive operational costs due to frequent oil drain intervals and high lubricant consumption levels.**

**Company:** Pilsa Plastic Incorporated  
**Country:** Turkey  
**Application:** Compressors  
**Saving:** US\$12,185 total annual customer saving  
**Key edges:** Shell Corena AS 68, Shell Lube**Analyst**

Shell monitored and analysed the existing oil’s performance using Shell Lube**Analyst** and recommended Shell Corena AS to better suit Pilsa’s operation. The premium quality product choice reduced operational costs by 50% and increased oil drain intervals by an impressive 100%.

RBA 017

DESIGNED TO MEET CHALLENGES



## 1 The Challenge:

While using an alternative supplier's product, Pilsa Plastic Products were dissatisfied with the poor performance of their existing lubricant. Oil analysis indicated poor thermal and oxidation stability of the oil resulting in the need for an oil drain every 5000 hours. As a consequence, operational costs were high.

## 3 The Outcome:

The use of Shell Services and Shell Corena AS saw the customer experience multiple operational benefits:

- Oil drain intervals extended from 5000 to 10000 hours
- Oil consumption reduced by 100%
- Reduction in labour costs due to fewer oil drains
- Predictive and preventative maintenance by regularly monitoring wear metals in used compressor oils
- Reduction in oil waste

## 2 The Solution:

Offering a complete service solution, the Shell Technical Team used Shell LubeAnalyst to monitor the physical properties and wear metals of used compressor oils and identify where improvements could be made. Shell Corena AS 68, along with technical training in handling and application, was recommended as the Shell solution.

## 4 The Value:

A thorough assessment and diagnosis of used oil using Shell LubeAnalyst led to identifying the ideal product solution for Pilsa.

The Shell Technical Team worked with the customer to introduce the new oil and monitor its efficiency. Shell Corena AS delivered impressive and profitable results increasing oil drain intervals and reducing oil consumption both by 100%. The total cost saving can be calculated at US\$12,215 per annum.

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 Corena Oil AS

#### Advanced synthetic compressor lubricant

Shell Corena AS is an advanced air compressor lubricant, capable of giving very good performance in any oil-flooded air compressor of screw or vane design. Based on selected synthetic base fluids, Shell Corena AS provides long oil life and effective lubrication in machines working in extremes of temperature and working conditions.

#### Performance features and benefits

##### Excellent resistance to oxidation

##### Extended oil drain intervals

Oil drain intervals can be extended up to 8000 hours

##### Excellent low volatility characteristics

Low volatility giving low oil consumption and reduced top-up rates

##### Very good surface properties

##### High viscosity index

##### Very good rusting and wear protection

##### Main applications

- Rotary sliding vane and screw air compressors
- Equipment running under arduous conditions
- ABB Turbochargers



#### Complementary products

Equipment	Lubricants
Metalworking	Shell Fenella, Shell Adrana, Shell Sitala, Shell Dromus, Shell Garia, Shell Macron, Shell Metalina, Shell Ensis, Shell Voluta
Machine Tool Maintenance	Shell Tonna, Shell Tellus, Shell Alvania, Shell Albida, Shell Tactic
Plastic Moulding	Shell Tellus, Shell Alvania, Shell Albida, Shell Corena, Shell Omala, Shell Thermia
Assembly	Shell Tellus, Shell Tonna, Shell Corena, Shell Omala, Shell Alvania, Shell Albida, Shell Tactic



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