



Shell Lubricants

METALS

Shell Albida HD 2 helps to extend re-greasing intervals by an impressive 333%

Total reported annual customer saving

US\$2,688,000

Company: The Egyptian Iron & Steel Company

Country: Egypt

Application: Continuous casting bearings

Saving: US\$2,688,000 total reported annual customer saving

Key edge: Shell Albida HD 2

The Egyptian Iron & Steel Company manufactures steel products including steel sections, flat steel sheets and rebar.

The Egyptian Iron & Steel Company was experiencing high operational costs due to the poor performance and low efficiency of its existing lubricant oils.

By changing to Shell Albida HD 2, a heavy-duty grease that copes well in high temperatures and resists water washout, re-greasing intervals were significantly extended by 333%. The potential cost savings attributed to the elimination of downtime was calculated at an impressive US\$2,688,000 per annum.

TOM0001

DESIGNED TO MEET CHALLENGES



1 The Challenge:

The Egyptian Iron & Steel Company was concerned about increasing operating costs directly attributed to the frequent re-greasing of their casting machine. Maintenance stoppages, occurring every 75 hours, were generating a significant loss of production.

3 The Outcome:

As a result of introducing Shell Albida HD 2, the Egyptian Iron & Steel Company experienced several operational benefits including:

- The extension of re-greasing intervals from 75 to 250 hours
- A decrease in maintenance downtime, reducing maintenance labour required
- Trouble-free operation with an increase in production time
- Reduced lubricant oils consumption (less re-greasing)

2 The Solution:

As a potential solution to this issue, the Shell Technical Team recommended a high base oil viscosity grease, Shell Albida HD 2, made with LiCx soap. Due to the heavy-duty operations of the factory, this product was recommended as its formula resists water washout, copes well in high temperatures and withstands continuous vibrations and shocks.

4 The Value:

The Egyptian Iron & Steel Company's production performance significantly improved after the Shell recommendation to apply a well formulated grease suited to the specific operating conditions. Shell Albida HD 2 delivered a significant improvement in lubrication performance that resulted in the extension of re-grease intervals by 333%. Product consumption savings alone were assessed at US\$20,000 per year while the total cost savings attributed to the elimination of downtime was calculated at US\$2,688,000 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 Albida HD 2

Top quality, high temperature, heavy-duty grease

Shell Albida HD 2 has excellent long life capabilities and it is recommended for use in heavy load, heavy-duty bearings which are subjected to high temperatures. Shell Albida HD 2 is made with very high viscosity base oils and fortified with Molybdenum Disulphide for shock load applications.

Performance features and benefits

- Reduced grease consumption is delivered through improved resistance to washout and vibration resulting from Shell's formulation expertise
- Reduced grease consumption even at high temperatures, as grease resists melting and subsequent leakage, because of the Lithium complex thickener used

Main applications

- Steel, Mining, Cement, Paper and Chemical applications using heavy-duty slow moving plain and rolling element bearings operating in severe environments:
 - Heavy loads
 - High temperature (continuously above 120°C)
 - High levels of vibration
 - Water rich environments



Additional information

Shell Albida HD 2 is recommended for use between the temperature range -20°C to 150°C.

Complementary products

Equipment	Lubricants
Hydraulic Systems	Shell Tellus S, Shell Tellus
Bearings	Shell Alvania EP(LF), Shell Albida HD
Rough and Medium Mills – Gear Oils	Shell Omala
Pre-Finish and Finish Mills – Bearing and Circulating Oils	Shell Morlina T
Electrical Motor Oil System	Shell Turbo T



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