



Shell Lubricants

MINING & QUARRYING

Bulk grease supply
reduces costs by
more than 99%

Total annual
customer saving

US\$43,600
(AUD\$35,950)



*Australia – a large open cast coal
mining operation.*

**The customer was experiencing high
operational costs due to the use of refillable
grease hoppers that needed to be returned
to the supplier for refilling.**

Shell recommended replacing the returnable grease hopper's with large size grease tanks, which are refilled on-site by the Shell Bulk Grease delivery truck. This helped the customer realise financial benefits of US\$43,600 per annum.

Application: Heavy-duty service vehicles

Saving: US\$43,600 total annual
customer saving

Key edges: Shell Albida HDX 2,
Shell Lube **Equipment**



DESIGNED TO MEET CHALLENGES



1 The Challenge:

The customer was using returnable 600kg and 1500kg bulk grease hoppers to supply grease to their mining fleet. Every week, two grease hoppers were returned for replenishment to the grease supplier resulting in time, resource and transport costs.

2 The Solution:

After assessing the situation, Shell offered to supply on site two 5,000kg (five tonne) grease tanks to replace the two of the 600kg grease hoppers and to bulk fill these tanks once a month to ensure the reliability of product supply.

3 The Outcome:

Previously it took two hours a week to change out the two grease hoppers. The operational benefits from this exercise included:

- The elimination of labour previously required to change out the hoppers
- The elimination of transportation costs involved in sending the hoppers to and from Brisbane for refilling
- A reduction in inventory hours and freeing up warehouse space

4 The Value:

As a result of this exercise, the customer realized significant cost savings. Previously the customer was spending US\$43,900 per annum in costs associated with refilling the bulk grease hoppers. This was significantly reduced down to US\$363 resulting in a total cost saving of US\$43,600(AUS\$35,950) 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 Grease HDX 2

High performance extreme-pressure multipurpose grease

Shell Albida Grease HDX 2 is a high performance high temperature grease for slow moving heavily loaded large bearings subject to shock loads. It is based on high viscosity index mineral oil and a lithium complex soap thickener. Apart from containing the latest additives to ensure excellent high temperature, anti corrosion and anti oxidation performance, it also contains MoS₂ to ensure the grease can handle shock loads.



Performance features and benefits:

High base oil viscosity to provide excellent load carrying performance

Meets the recommended base oil viscosity recommended by leading OEMs

Excellent mechanical stability even under vibrating conditions

Consistency retained over long periods, even in conditions of severe vibration

Enhanced extreme-pressure properties and resistant to shock loads

Excellent load-carrying performance enhanced by the presence of MoS₂

Excellent water resistance

Ensures lasting protection even in the presence of large amounts of water

Effective corrosion protection

Ensures components/bearings do not fail due to corrosion

High dropping point

Resistant to high temperatures

Lead and Nitrite free

For safe handling

Main applications:

Shell Albida Grease HDX 2 is used for the grease lubrication of heavy-duty, slow moving bearings subject to shock loads found in the following industries:

- Mining
- Steel

Text updated with newly supplied HDX 2 copy. Packshot replaced – using Batch 2’s HDX 2 product title and description text – for consistency. Product table replaced for consistency. **Please confirm if this ok.**

Complementary products

Equipment	Products
Draglines	Shell Malleus, Shell Omala, Shell Albida
Shovels and Extractors	Shell Malleus, Shell Omala, Shell Albida, Shell Tellus
Mills	Shell Malleus, Shell Omala
Crushers and Conveyors	Shell Albida, Shell Alvania, Shell Tactic, Shell Tivela, Shell Omala
Ore Processing	Shell Albida, Shell Alvania, Shell Tactic, Shell Tivela, Shell Omala, Shell Tellus, Shell Corena
Haul Trucks	Shell Rimula, Shell Hyperia, Shell Spirax, Shell Retinax, Shell Albida, Shell Donax
Power Plant	Shell Argina, Shell Gardina, Shell Turbo



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