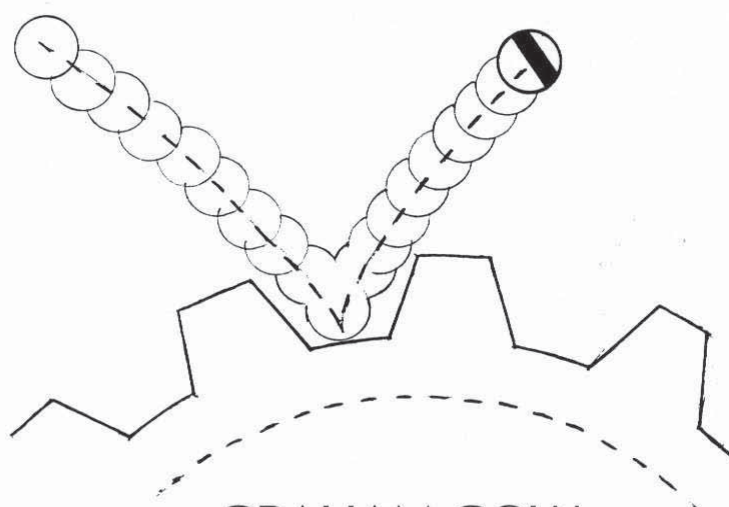


White or Black Blues ?

ALASSCA

A COMPLEX COMPLEX



GRAHAM GOW



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SWEDEN / THE NETHERLANDS

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National
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Grease
Institute

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ALASSCA Technology

Alassca greases were developed to offer exceptionally low friction properties under extremely high loads. Conventional greases for such applications usually contain high amounts of solid materials such as graphite and molybdenum disulphide and are therefore almost always black in colour. Alternative products are available but, despite the fact that they may be white instead of black, they still require a high solid content to ensure sufficient performance.

Alassca greases are different. They offer effective surface separation without the need for such solids. Since Alassca greases can be used to lubricate both bearings and gears, an additional advantage is the need for fewer products, reducing inventory and minimising the risk for mistakes. Produced by an exclusive and unique co-crystallisation process, they contain only soap and

oil. The active components are chemically attached to the soap structure instead of being dissolved in the base oil and are therefore immediately available to the metal surfaces in both bearings and gears. To describe this phenomenon, we have coined the phrase a “functional soap”. It’s the soap that lubricates !

Alassca greases can replace products containing bitumen and solids. The absence of black particles provides a transparent film which simplifies inspection during operation. In addition, there is no build-up of solid particles in the base of gears and vibration levels can be significantly diminished.

Alassca technology is based on modern scientific principles taking into account the fact that a lubricant will solidify into a glass-like substance when subjected to extremely high pressures. Reducing friction under such conditions requires quite different measures compared to the lubrication regime of engine oils and other such products operating at atmospheric pressure. Accurate information on the actual lubrication regime is therefore paramount for optimal friction reduction.



The Benefits of Alassca :

- *Improved economy*
- *Increased reliability*
- *Better lubrication*
- *Easier to apply*
- *Better environment*
- *Reduced inventory*
- *Easier to clean*
- *Lower energy costs*
- *Less wear*
- *Less vibration and noise*
- *A “good night’s sleep” for the maintenance manager*

ALASSCA 170 OG



EXTREME
PRESSURE



HEAVY
LOADS



CORROSION
PROTECTION



WATER
RESISTANT



CENTRAL
LUBRICATION

CLASSIFICATION

DIN 51 502
ISO 6743

GOG0N-30
ISO-L-XCDIB0

PRODUCT DESCRIPTION

ALASSCA 170 OG is an alassca complex thickened lubricating grease based on mineral oil. The grease contains antioxidants and corrosion inhibitors. The product does not contain conventional EP- and AW-additives since they are built in as an integral part of the soap structure.

The functional thickener gives the product extreme load carrying capacity making it suitable for heavily loaded applications. The grease has good corrosion protection and water resistance which is important in wet and corrosive environments.

- Extreme load carrying capacity
- Very good mechanical stability
- Good corrosion protection
- Water resistant

ALASSCA 170 OG is a modern high performance product suitable for extreme applications in heavy industry. The extreme load carrying capacity and consistency make the product the first choice for heavily loaded open gears.

TYPICAL TECHNICAL DATA

Thickener	Alassca Complex	
Base oil	Mineral oil	
Colour	Dark Brown	
NLGI Grade	ASTM D217	0
Dropping point	IP 396	>260°C
Base oil viscosity at 40°C	ISO 12058	800 mm ² /s
Base oil viscosity at 100°C	ISO 12058	43 mm ² /s
4-ball weld load	DIN 51350:4	7500 N
Temperature range	-30°C to +140°C Max 180°C	

The special properties of Alassca thickened lubricants make them suitable for applications where extremely high loads, high temperatures and/or a humid environment prevail. Typical examples of such applications can be found in mining and in the cement industry. Alassca greases have also been used with great success in heavy duty steel mill applications, on the turning gears of windmills, on the swivel gears of large harbour cranes, in metal recycling (see photo

on page 2) and fertiliser plants, in the traction motor gears of railway locomotives and even on cables.

So why "stick" to yesterday's technology ? Today, there's no need for the black and bituminous stuff. There are many good reasons for choosing Alassca instead. These state-of-the-art products are now available in your own brand using the integrity of the Axel Christiernsson Customised Label™ concept.



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