

A large logging machine's grapple is shown lifting a massive log in a dense forest. The machine's arm and grapple are dark, and the log is light brown. The background is filled with tall, thin trees under a clear blue sky.

AXEL

AXEL CHRISTIERNSSON

**Cutting-edge
solutions for your
equipment and the
environment**

Hycal 762 EPEF

High performance EAL grease for diverse applications



Sustainable Grease Technology



HYCAL 762 EPEF

PREMIUM MULTI-FUNCTIONAL EAL EP GREASE

DESCRIPTION

HYCAL 762 EPEF is an anhydrous calcium thickened lubricating grease based on biodegradable esters. The grease contains antioxidants, corrosion inhibitors and EP/AW additives.

The thickener, together with the biodegradable esters, make the product suitable for lubrication of heavily loaded bearings in wet and corrosive environments, even at low temperatures. The lubricating grease has excellent adhesion and water resistance.



Corrosion
Protection



EAL
SS 155470



Extreme
Pressure



Heavy
Loads



Water
Resistant



APPLICATIONS

HYCAL 762 EPEF is a modern high performance EAL grease for diversified use. The product is suitable for marine on-deck applications and serves as an universal grease for forestry, agricultural and construction vehicles. The grease is easily pumpable in most modern centralised lubrication systems.



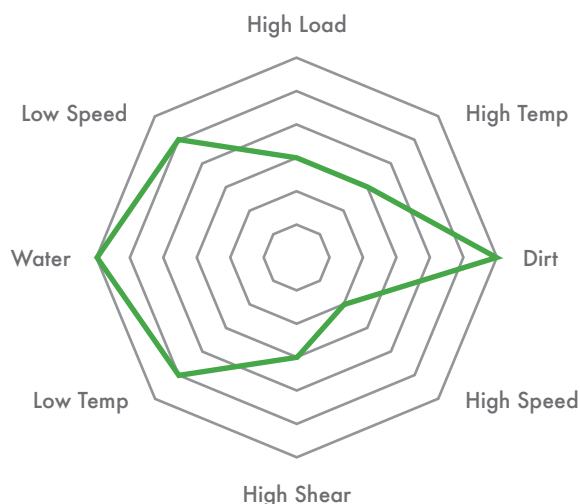
EU Ecolabel:
SE/027/001

HYCAL 762 EPEF is compliant to 2013 VGP legislation, the Swedish Standard 155470 and the EU Ecolabel.

WHY HYCAL 762 EPEF?

- Readily Biodegradable
- Excellent water resistance
- Good corrosion protection

Features	Benefits
Water resistance	Enhanced functionality under wet conditions
Low temperature performance	Excellent lubricity at low temperatures
Reduced elasticity	Suitable for use in centralized lubrication systems
Adhesive properties	Keeps the grease in place in the application
Transparent lubricating film	Easy to inspect and maintain
Versatility	Suitable for a wide range of applications up to 100°C
Environmental advantage	Thickener approved for food grade and EAL greases



Protecting the environment and
your bottom line

Across a Range of Industries



Marine



Agriculture



Forestry



Construction

HYCAL 762 EPEF offers full bio-degradability, excellent adhesion and mechanical stability, low temperature lubricity and water resistance.

PROVEN PERFORMANCE

SUPERIOR TECHNOLOGY FOR CUTTING TREES AND COSTS



Top bearing failure most common cause for cleaning sword when using oil

SCENARIO

Equipment: Forestry machinery: harvester and forwarder
Location: North Sweden
Temperature: -30°C to +30°C
Application: Saw chain and multiple lubrication points on harvester and forwarder

RESULTS

- 90% less consumption than oil!
(E.g. 180kg drum of oil vs. 18 kg pail of grease)
- Reduced packaging and transportation requirements
- 2X service life of top bearings and swords
- Reduced sword maintenance/downtime and associated costs
- Reduced risk of chain breakage = improved operational safety
- Reduced product inventory
- Reduced contamination of equipment including improved visibility (No oil mist)
- No environment contamination and less use of chemicals for cleaning
- Good grease mobility in central lubrication systems even at low temperatures



90%

less consumption compared to oil



2X

longer sword life compared to oil

PROPERTIES

Typical Properties

Thickener		Anhydrous Calcium
Base fluid		Ester
Texture		Smooth
Colour	Visual	Yellow / Green
NLGI Grade	ASTM D 217	2
Dropping point	IP 396	> 140°C / > 284°F
Base oil viscosity at 40°C / 104°F	ASTM D 7152	560 mm ² /s
Base oil viscosity at 100°C / 212°F	ASTM D 7152	58 mm ² /s
Penetration 60 strokes	ISO 2137	265 - 295
4-ball weld load	DIN 51350:4	3400 N
Water resistance at 90°C / 194°F	DIN 51807:1	0
Water washout at 79°C / 174°F	ISO 11009	< 5%
Water spray off	ASTM D4049	20%
Emcor salt water	ISO 11007	≤ 2 - 2
Flow pressure at -40°C / -40°F	DIN 51805 mod	< 1400mbar
SKF R2F B at 120°C / 248°F	SKF	Pass
Density	IP 530	950 kg/m ³
Temperature range		-40°C to +120°C (Max +130°C) -40°F to + 248°F (Max +266°F)
Readily biodegradable content	EEC Calculation	> 60%

Learn more about the new
HYCAL 762 EPEF product line for partial
 and total loss applications

- **HYCAL 760 EPEF**
Premium Multi-Functional EAL EP Grease – NLGI 0
- **HYCAL 762 EPEF**
Premium Multi-Functional EAL EP Grease – NLGI 2
- **HYCAL 752 EPEF FM**
Premium Food Grade and EAL EP Grease – NLGI 2

