



Copal HAMMER GREASE

DESCRIPTION

Aluminium Complex grease for hydraulic breaker.

APPLICATIONS

Copal HAMMER GREASE is a mineral oil-based Aluminium Complex grease with solid additives and improved EP additives.

Copal HAMMER GREASE provides an excellent protection against wear and resistance to high loads thanks to its special additivation.

Copal HAMMER GREASE has been developed especially for lubrication of hydraulic breaker.

SPECIFICATIONS

ISO 6743-9: L-XBGEB2

DIN 51502: KP2U-20

ADVANTAGES

- Excellent anti-wear and EP properties: increased protection of tools
- Outstanding thermal stability: up to 1100°C
- Excellent oxidation stability.
- Excellent antirust and anticorrosion properties.
- Improved adhesion to metal: better protection against dust and increased regreasing interval.
- Strong water resistance.

RECOMMENDATIONS

Always avoid contamination of the grease by dust and/or dirt when applying.

Preferably use a pneumatic pump system or cartridges.

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in use in the E.C. is obtainable via your commercial adviser

<https://sdstotalms.total.com/totalpullwebsite/>

TotalEnergies Lubricants

SA 552 006 454 RCS Nanterre - France

TYPICAL CHARACTERISTICS

TYPICAL CHARACTERISTICS	METHODS	UNITS	Copal HAMMER GREASE
Soap/thickener		-	Aluminum complex
NLGI grade	ASTM D 217/DIN 51 818	-	2
Color	Visual	-	Copper
Appearance	Visual	-	Smooth
Operating temperature range		°C	- 20 to 1100
Dropping point	IP 396/DIN ISO 2176	°C	230
Penetration after 60 strokes at 25°C	ASTM D 217/DIN51 818	0.1 mm	265-295
Four ball weld load	DIN 51 350-4	daN	620
Four ball wear 75 °C, 1h	ASTM 2266	mm	0,55
Water washout 1h, 79°C	ASTM D 1264	%	8,7
Water Spray off 40 psi, 38°C	ASTM D 4049	%	8
Copper corrosion 24h, 100°C	ASTM D 4048	rating	1a
Kinematic viscosity of the base oil at 40°C	ASTM D 445/DIN 51 562-1/ISO 3104/IP71	mm ² /s (cSt)	350

Above characteristics are mean values given as an information.

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