

Lubricants

**Teboil Universal CLS and CLS-1**

**Teboil Universal CLS and CLS-1** are mineral oil based lithium complex thickened central lubrication greases.

**Applications**

Teboil Universal CLS and CLS-1 are central lubrication greases for automotive and industrial use. The greases have excellent lubrication properties even in wet and heavy circumstances. Softer consistency of Universal CLS makes it suitable for very cold climate conditions. Products can also be used in grease lubricated gearboxes.

**Performance features and benefits**

Universal CLS and CLS-1 are lithium complex thickened lubrication greases based on mineral oil. The greases contain antioxidants, corrosion inhibitors, extreme pressure and anti-wear additives. The complex soap structure gives the product a high degree of mechanical stability.

**Typical physical characteristics**

Teboil Universal CLS and CLS-1	CLS	CLS-1	Unit	Method
Thickener	Lithium complex	Lithium complex		
Color	Yellow	Yellow		
NLGI-grade	00	0,5		ASTM D 217
Penetration 60 stroke	415	350	1/10 mm	ISO 2137
Dropping point	>170	>230	°C	IP 396
Base oil viscosity @ 40 °C	110	145	mm <sup>2</sup> /s	ISO 12058
4-ball weld load	2400	2400	N	DIN 52350
Operating temperature range	-35...100	-30...120	°C	
Short time temperature durability	+120	+140	°C	
Corrosion protection				
SKF Emcor WWO distilled water	0-0	0-0		ISO 11007 mod
SKF Emcor WWO salt water	2-3	2-3		ISO 11007 mod
Copper corrosion 24h/100 °C	1b	1b		ASTM D 4048

**Specifications and approvals****CLS**

DIN 51502 KP00G-35  
ISO 6743 ISO-L-XCBIB00

**CLS-1**

DIN 51502 KP0.5G-35  
ISO 6743 ISO-L-XCBIB0.5

[LLK Finland Oy reserves the right for changes](#)

Technical data is based on approximate measures. Due to continual product research and development, the information contained herein is subject to change without notification. 23.7.2010

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