

HIGHTEC SUNLUB® LONGLIFE 46

Climate-friendly, high-performance hydraulic oil designed to extend the oil's service life and provide a high level of protection for the system.

High-Tech mit Gutem Gewissen® (High-Tech with a clear conscience)

Description

(HIGHTEC SUNLUB® LONGLIFE 46 is characterised by its optimal low-viscosity properties. HIGHTEC SUNLUB® LONGLIFE 46 allows for extended oil change intervals and has first-rate and permanent multigrade characteristics. Designed for use at very high and highly fluctuating operating temperatures.

Application

HIGHTEC SUNLUB® LONGLIFE 46 is specially developed for environmentally sensitive areas such as offshore, marine, construction machinery and forestry. The excellent oxidation stability of (term) guarantees extremely long oil life in industrial equipment such as e.g. Plastic injection molding machines or presses. HIGHTEC SUNLUB® LONGLIFE 46 is particularly suitable for highly stressed hydrostatic drives and high-pressure hydraulic systems. Due to its excellent wear protection properties, it can also be used HIGHTEC SUNLUB® LONGLIFE 46 in spur gears and as circulating oil for plain and roller bearings.

Approvals

- PARKER Denison HF-0, HF-1, HF-2
- SS 155434 AAV 46 environmentally acceptable

The quality of this product is equivalent to EU regulations

- DIN 51 524-3 - HVLP (TOST wet)
- Chinese specification GB111118.1-2011 L-HV
- ISO 15380 - HEPR
- EATON E-FDGN-TB-002-E
- EATON Brochure 03-401-2010 Rev.1
- ZF TE-ML 07H

Additionally this product is recommended when the following filling instructions are required

- CAT-BF1
- CNH MAT 309
- Danfoss Power Solutions-520L0463
- Komatsu Forest
- Palfinger
- Poclain Hydraulics

Benefits

- Extended service life of the oil
- Energy savings
- High protection level for the system and components
- Zinc-free and ash-free
- Not ester based
- Fully synthetic
- Renewable raw materials
- Readily biodegradable according to OECD 301B

Recommendation

HIGHTEC SUNLUB® LONGLIFE 46 is recommended for use in hydraulic systems which require hydraulic fluids according to ISO VG32, ISO VG46 or ISO VG68.

Notices

HIGHTEC SUNLUB® LONGLIFE 46 is miscible and compatible with all ash-free, zinc-free, mineral oil-based hydraulic oils according to DIN 51524.



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Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0.84
Kinematic viscosity KV 40	ASTM D-7042	mm ² /s	43,8
Kinematic viscosity KV 100	ASTM D-7042	mm ² /s	8
Viscosity index	ASTM D-7042	-	157
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-40
FZG A/8.3/90 (min)	DIN 51354/2	SKS	13
Colour code	DIN ISO 2049	-	<1.0
NZ	DIN 51558	mgKOH/g	0.6
Biodegradability	OECD 301 B	%	>60%
Renewable Resource Content		%	>50
RPVOT	ASTM D2272	min.	1000
LAV	ASTM 3427		4,8
TOST	ASTM D943 / wet	h	> 1.000
TOST	ASTM D943 / dry	h	10.000
Taper roller bearing shear test, Loss (20h)	CEC L-45-A-99	%	4,7
Flash point COC	DIN ISO 2592	°C	240

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