

Recommendations Regarding Lubricants for Propeller Shaft Clutches 'PSC'

The below mentioned lubrication oils are suitable for use in the propeller shaft clutches by RENK Rheine. The recommendation is based on a theoretical verification of the test results furnished by the lubricant manufacturers. RENK does not accept any responsibility in the event that the delivered lube oils deviate from these 'technical properties'.

It may be possible that the technical properties of the used lubricant change over the time. Continuous monitoring and analyses of the lubricants are the responsibility of the operator. RENK recommends an oil analysis (e.g. ICP) done via lubricant supplier every 3 month.

Lube oils that are not listed below have not been verified for suitability by RENK.

If the lubricant will be changed for a different one listed below the product must be flushed in a suitable manner. The lubricant manufacturer will provide appropriate procedure.

The details contained in the product data sheets or safety data sheets issued for the lubricants must be complied with. The latest version of such data sheets is always available with the lubricant producer.

General requirements made by RENK and theoretically proved based on manufacturer information:

- Observance of values given in DIN 51517-3 – CLP
- High FZG failure load stage / DIN 51354 A/8,3/90 ≥ 12
- Viscosity index acc. DIN ISO 2909 (ASTM D 5182): > 120
- Low viscosity at low temperature
- Suitable for use in slide bearings
- Compatible with the seals (NBR type)
- Compatible with the inside painting applied by RENK (2K-EP based)
- Filterable with the filtration system
- Low tendency to foaming (foaming characteristics) and good air separation capability
- Low pour point

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Attention!

Using not recommended oils can affect the PSC due to failure!

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Attention!






Mixing different lubricants changes their properties and is not allowed.
It affects the PSC due to failure!

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Attention!

Alternative lubricants based on given general requirements can be checked by the lubricant manufacturer. Please contact your local representative!

Table 1: lube oil recommendation table for propeller shaft clutches 'PSC'

manufacturer	oil type	
	ECO GEAR	320 W
	Alphasyn	HG 320
	Optigear	Synthetic X 320
	Mobilgear	SHC XMP 320
	SHC Gear	320 WT
	RENOLIN	UNISYN CLP 320
	Klübersynth®	GEM 4-320 N

Actual revision: <http://www.renk.biz/lubricant-recommendations-rheine.html>

Revision	Item	Cause	Approved by
00	General update	- Different oils added	RTE-Kr / RT-Hav 10.03.2016