

STRUB Vulcogear Synt EP WS

Synthetic high performance gear lubricant based on water soluble polyalkylene glycols



Description

STRUB Vulcogear Synt EP WS is a fully synthetic high-performance gear lubricant of the latest technology based on water-soluble polyalkylene glycols.

Application

This special product was developed for the lubrication of all types of mechanically and thermally highly stressed gears. In circulating systems e.g. calenders and paper machines. Due to the very favorable coefficient of friction, especially in gears with a high sliding ratio (worm gears), wear is greatly reduced and results in better gear efficiency and lower oil bath temperatures (up to 25°C lower compared to mineral oils). As it is a polyglycol-based product, friction pairings of steel and aluminum alloys should be avoided.

Eigenschaften und Vorteile

- for oil bath temperatures up to 150°C and for peak temperatures up to approx. 175°C, with correspondingly shorter oil change intervals
- higher gear efficiency compared to mineral lubricants
- low energy losses due to lower friction coefficient
- the requirements of DIN 51517-03, CLP are fulfilled
- excellent wear protection (FZG- Test DIN 51354 > 12)
- higher oxidation resistance than mineral oil and thus longer oil life
- good corrosion protection
- sealing compatibility with seals made of HNBR, VMQ and FKM, with NBR 80°C must not be exceeded. For applications above 100°C it is recommended to consult the seal manufacturer
- paint compatibility with PU, epoxy and stoving paints is very good
- lower energy and operating costs
- low maximum oil temperature, which increases operational reliability and reduces maintenance due to longer oil service life
- can absorb up to 3% water without damage to the gears
- no viscosity changes

Note

not miscible with mineral oils and esters

The information in this technical data sheet is based on general knowledge and application possibilities. STRUB + Co. AG is not liable for damage resulting from improper use of the products. The industry-standard measurement and production tolerances apply to the specified characteristic. Generally, no legal binding can be derived from these data. Our products are subject to continuous further development. Therefore, STRUB + Co. AG reserves the right to change all technical data in this data sheet at any time and without prior notice.

Technical data

ISO Class		100	220	320	460	680	1000
Art.-No.		31728	30278	30365	30738	31307	-
Density at 20°C	g/cm ³	1.042	1.054	1.055	1.055	1.056	1.075
Viscosity at 40°C	mm ² /s	100	220	325	460	680	1000
Viscosity at 100°C	mm ² /s	19.6	41	57	77	116	180
Viscosity index		220	240	245	250	271	298
Pour Point	°C	- 39	- 37	- 34	- 33	- 30	-35
Flash point	°C	228	238	240	242	242	250

Transport

ADR/SDR No dangerous goods

Disposal

LVA VeVA / EAK: 13 02 06

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