

## STRUB Food Lube

Synthetic high-tech lubricating oils  
for the food industry



### Description

STRUB Food Lube are high quality lubricants for the food, beverage and feed industry. Synthetic, high-tech lubricating oils based on Poly Alfa Olefins (PAO), highest purity grade. Clear, light liquids of slightly yellowish color.

The products are NSF (H1) registered and certified by NSF according to ISO 21469 and approved for use where possible food contact may occur. Manufactured to the highest quality standards in facilities where HACCP has been implemented and forms an integral part of the ISO 9001 and ISO 21469 quality and hygiene management systems. In addition, the products are certified according to the strict guidelines in accordance with Kosher and Halal.

### Application

STRUB Food Lube can be used in hydraulic systems, in gearboxes, in circulation systems, for chain lubrication such as load and transport chains, for conveyor belts, slideways, metering devices, cocks, pneumatic devices, oil mist lubrication, bearings, spindles and joints, for screw and piston compressors (observe regulations!) and vacuum pumps. The viscosity is to be selected according to the regulations and the application by the OEM. Temperature application range: Depending on viscosity approx. - 55°C to + 170°C.

### Features and advantages

- practically odorless and tasteless, non-toxic
- very favorable viscosity-temperature behavior (high viscosity index)
- very good low and high temperature behavior
- good wear protection
- excellent lubricity
- sealing compatibility
- high oxidation stability and good corrosion protection for ferrous, light and non-ferrous metals (Fe, Al, Cu)
- low evaporation and very low coking tendency
- longest service life, energy saving and lower oil consumption

### Specifications

DIN 51524 HLP part 2 + 3  
DIN 51506 VBL, VCL, VDL, ISO 6743-3:2003 (en) DAG, DAH, DAJ  
DIN 51517 CLP part 3, ISO/DP 6743/6 L-CKD

Release: Aarburg injection molding machine (STRUB Food Lube 46)

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 VG	Test Method		15	22	32	46	68	100
Art. No.			30257	31085	30381	30378	30383	30377
NSF Registration No.			155161	155162	155123	153683	153684	155124
Density at 15°C			0.836	0.848	0.838	0.847	0.848	0.85
Viscosity at 40°C		mm <sup>2</sup> /s	15	22	32	46	68	100
Viscosity at 100°C		mm <sup>2</sup> /s	3.65	4.6	6.1	7.9	11.1	14.9
Viscosity index			123	129	141	142	153	156
Flash point		°C	190	200	240	245	250	260
Pour point		°C	-24	-36	-60	-57	-54	-48
FZG test A/8.3/90	DIN 51354		n.a.	>12	>12	>12	>12	>12
Copper Test Steel	DIN 51585		pass	pass	pass	pass	pass	pass
Copper corrosion	ASTM-D 130		1A	1A	1A	1A	1A	1A

ISO VG	Test Method		150	220	320	460	680	1000
Art. No.			31075	30380	30382	30272	30245	30379
NSF Registration No.			153076	157456	153077	-	-	-
Density at 15°C			0.854	0.85	0.853	0.855	0.856	0.86
Viscosity at 40°C		mm <sup>2</sup> /s	150	220	320	460	680	1000
Viscosity at 100°C		mm <sup>2</sup> /s	20.2	28.8	33	51	68.7	80
Viscosity index			156	170	150	174	176	160
Flash point		°C	270	270	275	275	275	280
Pour point		°C	-42	-42	-30	-27	-24	-21
FZG test A/8.3/90	DIN 51354		>12	>12	>12	>12	>12	>12
Copper Test Steel	DIN 51585		pass	pass	pass	pass	pass	pass
Copper corrosion	ASTM-D 130		1A	1A	1A	1A	1A	1A

## Handling and storage

All food grade lubricants must be stored separately from other lubricants, chemical substances and food. In addition, the products must not be exposed to direct sunlight or any other source of heat. Storage between 0°C to +40°C. If the product is stored under the above conditions, we recommend its use from the production date of 5 years. If a product is opened, it must be used within 2 years.

## Transport

ADR/SDR No dangerous goods

## Disposal

LVA VeVA / EAK: 13 01 11 (ISO 15-68)  
13 02 06 (ISO 100-1000)

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