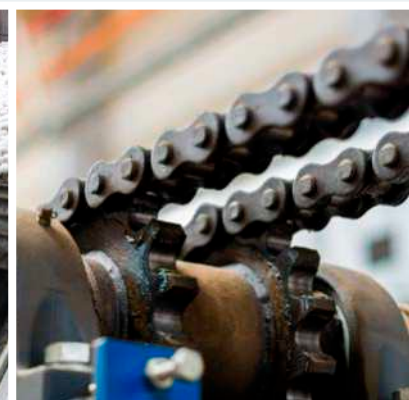


# SKF Chain oils

Industrial and food grade chain oils



## SKF Chain oils

Industrial chains play an important role for conveyors and power transmissions. Typically, these chains are used to move products or drive equipment that is required for the production process. Proper maintenance is required in order to keep the chains running, reduce costly stops for replacements and enable a reliable production process.

*"One rule-of-thumb is that proper lubrication can extend chain life by as much as 100 times."*

*Source: machinerylubrication.com*

## Industrial chain oils

SKF Chain oils are specifically designed for industrial chain applications and can be used in virtually every industry.

### LHMT 68

#### Medium temperature chain oil

SKF LHMT 68 is a high-performance mineral oil specially formulated for the lubrication of chains operating at medium temperatures. It provides excellent anti-wear and anti-corrosion properties.

- Very good anti-wear protection
- Very good steel and copper corrosion inhibition properties
- Free from silicone

### LHHT 250

#### High temperature chain oil

SKF LHHT 250 is a high-performance synthetic oil specially formulated for the lubrication of chains at high temperatures and high loads. It provides excellent load and anti-wear properties and forms virtually no lacquers or residues, even when operating at high temperatures.

- High temperature and high load
- Excellent anti-wear protection
- Very good steel and copper corrosion inhibition properties
- Excellent oxidation stability
- Free from silicone
- Virtually residue-free

#### Ordering details

Pack sizes	LHMT 68	LHHT 250
5 litre can	LHMT 68/5	LHHT 250/5
SKF SYSTEM 24 / LAGD 60	LAGD 60/HMT68 <sup>1)</sup>	
SKF SYSTEM 24 / LAGD 125	LAGD 125/HMT68 <sup>1)</sup>	LAGD 125/HT250 <sup>1)</sup>
SKF SYSTEM 24 / TLSD 125	TLSD 125/HMT68 <sup>1)</sup>	
SKF SYSTEM 24 / TLSD 125 refill	LHMT 68/SD125 <sup>2)</sup>	–
SKF SYSTEM 24 / TLSD 250	TLSD 250/HMT68 <sup>1)</sup>	
SKF SYSTEM 24 / TLSD 250 refill	LHMT 68/SD250 <sup>2)</sup>	–

<sup>1)</sup> includes non-return valve / <sup>2)</sup> Support plate with non-return valve (TLSD 1-SPV) can be ordered separately.



A chain has many moving parts with continuously changing forces and friction occurring in contact areas between them. Correct lubrication is key to reduce wear and chain elongation, resulting in significantly longer service life and higher reliability. Lubricants for chains are therefore specifically designed to propagate into the contact areas between chain elements to reduce friction and wear.

#### Typical applications

- Conveyor chains
- Drive chains
- Lift chains
- Ovens

## Food grade chain oils

SKF food grade lubricants are specially formulated to comply with requirements of food processing and pharmaceutical industries. The food grade chain oils are specifically designed and certified for use in chain applications in these industries.

### LFFM 100

#### General purpose food grade chain oil

SKF LFFM 100 is a high-performance synthetic chain oil specially formulated for the lubrication of chains operating in food processing and pharmaceutical industries. It provides excellent load and anti-wear properties even in the presence of moisture and in low temperature environments.

- Certified for food industry with: NSF H1, NSF ISO 21469, Halal and Kosher
- Especially suitable for moist and low temperature environments
- Excellent steel and copper corrosion inhibition properties
- Excellent anti-wear protection
- Excellent oxidation stability
- Low residue formation

### LFFT 220

#### High temperature food grade chain oil

SKF LFFT 220 is a high performance synthetic oil specially formulated for the lubrication of chains operating at high temperatures and high loads in food processing and pharmaceutical industries. It provides excellent load and anti-wear properties and forms virtually no lacquers or residues, even when working at high temperatures. LFFT 220 is especially suitable when high operating temperatures, long relubrication intervals and low friction coefficients are required.

- Certified for food industry with: NSF H1, NSF ISO 21469, Halal and Kosher
- Especially suitable for high operating temperatures, long relubrication intervals and low friction coefficients
- Excellent anti-wear protection
- Excellent steel and copper corrosion inhibition properties
- Excellent oxidation stability
- Virtually residue-free

#### Ordering details

Pack sizes	LFFM 100	LFFT 220
5 litre can	LFFM 100/5	LFFT 220/5
SKF SYSTEM 24 / LAGD 125	LAGD 125/FM100 <sup>1)</sup>	LAGD 125/FT220 <sup>1)</sup>
SKF SYSTEM 24 / TLSD 125 refill	LFFM 100/SD125 <sup>2)</sup>	–
SKF SYSTEM 24 / TLSD 250 refill	LFFM 100/SD250 <sup>2)</sup>	–

<sup>1)</sup> includes non-return valve / <sup>2)</sup> Support plate with non-return valve (TLSD 1-SPV) can be ordered separately.



**Technical data**

Designation	LHMT 68	LHHT 250
Colour	Yellow brown	Amber
Base oil type	Mineral	Ester
Density, DIN 51757, at 20°C (68 °F)	0.88 g/cm <sup>3</sup> (0.03 lb/in <sup>3</sup> )	0.94 g/cm <sup>3</sup> (0.03 lb/in <sup>3</sup> )
Operating temperature range	-20 to +100 °C (-4 to +212 °F)	Up to 250 °C (482 °F)
Flash point, DIN ISO 2592	>200 °C (392 °F)	>250 °C (482 °F)
Pour point, DIN ISO 3016	<-30 °C (-22 °F)	≤-40 °C (-40 °F)
Base oil viscosity ISO 3104: 40 °C (104 °F), mm <sup>2</sup> /s 100 °C (212 °F), mm <sup>2</sup> /s	ISO VG 68 approx. 9	approx. 250 approx. 24
<b>Water and corrosion</b>		
Steel corrosion DIN ISO 7120-B	Pass	Pass
Copper corrosion DIN 51811 (3h/100 °C (212 °F))	1 max	1 max
Shelf life	5 years	5 years

**Technical data**

Designation	LFFM 100	LFFT 220
Colour	Colourless	Yellow reddish
Base oil type	PAO	Ester
Density, DIN 51757, at 20°C (68 °F)	0.84 g/cm <sup>3</sup> (0.03 lb/in <sup>3</sup> )	1.1 g/cm <sup>3</sup> (0.03 lb/in <sup>3</sup> )
Operating temperature range	-30 to +130 °C (-22 to +265 °F)	Up to 250 °C (482 °F)
Flash point, DIN ISO 2592	>200 °C (>392 °F)	>250 °C (482 °F)
Pour point, DIN ISO 3016	≤-50 °C (-58 °F)	≤-30 °C (-22 °F)
Base oil viscosity ISO 3104: 40 °C (104 °F), mm <sup>2</sup> /s 100 °C (212 °F), mm <sup>2</sup> /s	ISO VG 100 approx. 15	ISO VG 220 approx. 25
<b>Water and corrosion</b>		
Steel corrosion DIN ISO 7120-B	Pass	Pass
Copper corrosion DIN 51811 (3h/100 °C (212 °F))	1 max	1 max
NSF Registration number	162872	162871
Shelf life	2 years	2 years