

S.K.M. 46/56/121/171

Synthetic high-performance oils

The benefits at a glance

- Fully synthetic
- Outstanding eco-friendliness, easily biodegradable
- Wide operative temperature range
- Minimal wear and minimal friction
- Good sealing compatibility
- Excellent viscosity temperature dependency
- Very long lubricant service life
- Energy saving
- Ageing and oxidation resistant



Properties

Rivolta S.K.M. 46/56/121/171 are easily biodegradable high-performance cycle oils. They offer a performance spectrum which is far superior to conventional oils. Especially in the particularly critical area of mixed friction the S.K.M. cycle oils effectively reduce the consumption of energy, raise the operating safety and extend the life-time of machines and facilities while they are safeguarding ecological aspects the best possible way.

Fields of application

- **In general:** at movable parts, which are automatically regularly supplied with lubricant
- **Gears and bearings**
- **Chains:** suitable for indoor and outdoor escalators

Form	flüssig
Colour	brownish transparent
Odour	faint

Material compatibility

Rivolta S.K.M. 46/56/121/171 are miscible with mineral oils and ester oils. Do not mix with polyalkylene glycol. The products are compatible with sealing materials which are resistant to mineral oils.

Preparation of the lubricating point

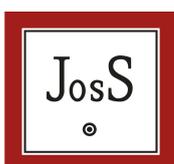
Before new filling please drain the old product. If the system was filled with a miscible product, a special flushing is not necessary. If the system was filled with a non-miscible product, a flushing with the respective Rivolta S.K.M. product or with Rivolta S.K.M. 46 must be included.

Instructions for use

Suitable application devices and accessories in our [accessories brochure](#).



	Value				Norm
	S.K.M. 46	S.K.M. 56	S.K.M. 121	S.K.M. 171	
Density at +15 °C	0,94 g/cm ³				DIN 51757
ISO viscosity grade	100	150	220	460	DIN ISO 3448
Viscosity index	> 140	> 130	> 150		DIN ISO 2909
Kine. Viscosity at +20 °C	290 mm ² /s	450 mm ² /s	750 mm ² /s	1750 mm ² /s	DIN 51562-1
Kine. Viscosity at +40 °C	100 mm ² /s	150 mm ² /s	220 mm ² /s	460 mm ² /s	DIN 51562-1
Kine. Viscosity at +100 °C	13,5 mm ² /s	17,5 mm ² /s	25,5 mm ² /s	42 mm ² /s	DIN 51562-1
Flash point	+185 °C				DIN EN ISO 2592
Pour point	-35 °C	-33 °C		-30 °C	DIN ISO 3016
Operative temperature range	-32 up to +120 °C	-30 up to +120 °C		-27 up to +120 °C	-
F.Z.G.-Test 8. 3/90	> 12				DIN ISO 14635-1
Air release	2,4 min	3,5 min	4,5 min	7 min	DIN ISO 9120
Corrosion protection to steel	0 – A				(DIN 51355)
Corrosion protection to copper	1a				DIN EN ISO 2160
Ecological data					
Water hazard class	1				German Water Hazard Classification
Biodegradability	> 70% by weight		> 65% by weight	> 60% by weight	OECD 301 B



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