



Technical Information

KL 220

Synthetic Chain Oil

Applications

High speed tenter frames in textile industry, glass works, paint booths, automotive assembly lines, varnish curing booths, open chains in industry, steel plants, paper and plywood manufacturing units, ceramic processing plants, latex manufacturing plants, lubrication of all chains, clips, bearings

Benefits

- Extremely wide service temperature range from -10°C to +250°C
- Very good extreme pressure properties enhance load carrying abilities and reduces frictional wear
- Extremely low evaporation rate at high temperatures
- Due to its absolute synthetic formulation, there is no carbon or resinous deposit even at high temperatures
- Minimized deposit formation reduces cost related to chain cleaning such as labor, production loss and downtime
- Lower evaporation rate reduces consumption and allows for extension of lubrication periods thereby cutting down on lubrication costs
- Provides superior lubrication and protection even when subjected to high temperatures and humid conditions
- Due to superior lubrication, power requirements are reduced resulting in both lubricant as well as energy savings
- Cost savings due to reduction of parts premature wearing out and replacements are also greatly increased
- Good adhesive properties and water resistant

Directions for Use

Use as supplied. Never dilute or mix with other oil or grease. For optimal lubrication and adhesion, clean and degrease the surface of all previous residues, lubricants or contaminants with ASV CS 50 heavy duty degreaser.

Apply to clean surface by regular oiling methods i.e. by brushing, spraying, dipping or drop feed oiling mechanisms. Allow time for lubricant to penetrate and excess lubricant to drip off before restarting operations.

For new chains: Thoroughly clean prior to applying this lubricant. It is recommended to keep new chains dipped in the lubricant for 30 minutes to ensure complete penetration to all innermost points.

Avoid excessive use. Use as per instructions laid down in manufacturers manual. Replace cap after use.

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Technical Properties

Property	Value	Method
Type	Synthetic oil with extreme pressure additives and inhibitors for oxidation & corrosion	
Appearance	Oily liquid	Visual
Color	Yellow	Visual
Viscosity at 40°C, mm ² /s	220	ASTM D 445
Viscosity at 100°C, mm ² /s	13-18	ASTM D 445
Density, g/cc	0.92-0.98	
Flash point, °C	+ 275 min	ASTM D 92
Pour point, °C	- 28	ASTM D 97
Service temperature range, °C	- 10 to +250	
Copper strip corrosion test	1a, pass	ASTM D 130
Conradson carbon residue, % by weight	Lesser than 0.01	ASTM D 189
Four ball test, weld load, N	2000	DIN 51 350 pt. 4
Four ball test, wear scar, 400N load, mm	0.6	DIN 51 350 pt. 5

1. Minor color variation of the same product but of different batches could be possible. However the lubrication values remain unchanged.

Available Packaging

- 5 liter, 30 liter, 200 liter container

General

Use in well ventilated areas. Avoid continuous breathing of vapor and spray mist. In closed areas or areas with poor ventilation, use respiratory protection. For complete details on safety, short and long term exposure, refer to this product's safety data sheet (SDS).

Disposal

All used and unused product should be disposed of in accordance with state regulations.

Shelf Life

36 months from date of manufacture in sealed condition

Handling

Read instructions on the container label of the product before use. The product safety data sheet (SDS) contains the relevant information regarding personal protective equipment, safe use, physical and health hazards. Safety data sheet is available from ASV or your local ASV distributor.

Limited Warranty

The information and data contained in this sheet is accurate to the best of our knowledge or is obtained from sources, tests or experiences believed by us to be reliable and accurate. User is responsible for determining whether recommended ASV® product is fit for a particular purpose. All products should be tested for suitability on a particular application prior to actual use. We make no representations of any kind. Data offered without warranty.

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