



Technical Information

KL 4800

High Viscosity Synthetic Chain Oil

Product Description

ASV® KL 4800 is a fully synthetic formulation developed primarily for lubrication of chains, gears, wire ropes, cams operating under adverse conditions of high temperatures, high loadings, wear and friction.

It exhibits excellent resistance to oxidation especially at elevated temperatures, has a very low evaporation rate and is fully resistant to water, water washout, steam & humid environments.

Operates within temperature range of -10 to +250°C.

Applications

For lubrication of all types of chains working under severe operating conditions of high temperatures, excessive friction, high loads, water and corrosive presence. It resists splashing, dripping and throwing off due to centrifugal forces making it suitable for high speed chain lubrication also.

Benefits

- Friction reducing organic additives reduce wear and eliminate metal-to-metal contact
- Does not get washed off by hot or cold water
- Excellent extreme pressure properties
- 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 extends relubrication periods thereby reducing lubricant consumption
- Provides superior lubrication and protection even when subjected to high temperatures and humid conditions
- Due to superior lubrication, friction and power requirements are reduced resulting in both lubricant as well as energy savings
- Cost savings due to reduction of premature wearing out of parts and replacements are also greatly increased

Directions for Use (Bulk)

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.

Do not mix or dilute with other oils or grease. Replace cap after use.

For initial lubrication of a new chain, it is recommended to use ASV® KL 4800 LQ. Clean the chain of all residues, oils, grease, protective coatings and dip in ASV® KL 4800 LQ which contains a solvent for maximum penetration to innermost links and parts. Allow few minutes for lubricant to penetrate. The solvent evaporates leaving behind an adhesive oily film of ASV® KL 4800 active oil.

Subsequent lubrication must be done with ASV® KL 4800 chain oil only.

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Technical Properties

Property	Test Method	Value
Type	In house	Synthetic oil with EP additives and inhibitors for oxidation & corrosion
Appearance	Visual	Highly adhesive honey like oily liquid
Color	Visual	Dark yellowish
Density, 15°C	In house	0.85-0.95
Viscosity at 40°C	ASTM D 445	Approx. 4800 mm ² /s
Viscosity at 50°C	ASTM D 445	Approx. 2500-2600 mm ² /s
Viscosity at 100°C	ASTM D 445	Approx. 200-215 mm ² /s
Viscosity Index	ASTM D 2270	150
Flash point	ASTM D 92	+250°C
Pour Point	ASTM D 97	-10°C
Service Temperature Range,	In house	-10 to +250°C

Available Packaging

- 5 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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MOLYSULF® & ASV® Specialty Lubricants & MRO Technical Chemicals.

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