

Air compressor oils

ISO L-DAB/DAG/DAH/DAJ

FAMKOMPROL V SINT

FAMKOMPROL V SINT oil is completely synthetic non-toxic compressor oil intended for the lubrication of air compressors. It is made of synthetic base oils - polyalphaolefins, esters and zinc-free ashless additives. It provides excellent protection and extended oil change interval in comparison with mineral oil based compressor oils at similar operating conditions (temperature, load).

ADVANTAGES

- High oxidation and thermal stability at high temperatures and pressures prolong the service life of the oil and the system;
- High viscosity index and low pour point increase the temperature range of the application;
- Reduced volatility. Mineral oil based lubricants, especially at high operating temperatures, tend to evaporate, viscosity increases and the product becomes cloudy. The use of synthetic oils greatly eliminates these problems;
- It does not create a coke residue which reduces the risk of self-ignition and explosion;
- Excellent antiwear properties enable efficient lubrication;
- Excellent protection against corrosion, it protects machine parts made of steel and non-ferrous metals, even in the presence of water;
- Good hydrolytic stability and compatibility with mineral oils;
- Quickly releases air, it forms a stable, continuous, lubricating film without air bubbles;
- Low tendency to foam;
- Excellent water separation. Water can get into the compressor by condensation. Moisture can accelerate the formation of precipitates and may wash away the water-soluble components of the additive. When using synthetic oils, water is quickly separated from the oil and can be released from the system, it does not lead to the formation of emulsions;
- Neutral towards standard seals.

QUALITY LEVEL

ISO 6743-3A
DIN 51506 VD-L

APPLICATION

FAMKOMPROL V SINT oils are used for the lubrication of:

- compressors designed to compress both air and other non-aggressive gases
- piston compressors - the most commonly used viscosity grades are ISO VG 68 to 150
- screw compressors - most often use viscosity grades ISO VG 32 to 68
- rotary compressors with lamellas - most commonly used viscosity grade ISO VG 150
- vacuum pumps
- it is also used as hydraulic fluid for transfer of power and movement in all types of hydraulic systems at normal operating temperatures where the use of ashless oils as well as oils without zinc content is required.

They are used for the lubrication of piston compressors in normal and heavy working conditions with output temperatures up to 220°C and pressure over 70 bar.

They are used for the lubrication of screw compressors and rotary compressors with lamellas in normal and more difficult operating conditions with output temperatures above 100°C.

They have two times longer oil change interval compared to mineral compressor oils.

TYPICAL CHARACTERISTICS

	FAMKOMPROL V SINT					METHOD
	VG 32	VG 46	VG 68	VG 100	VG 220	
Density at 15°C, g/ml	0.8300	0,8350	0,8550	0,870	0,890	SRPS EN ISO 3675
Kinematic viscosity at 40°C, mm ² /s	32	46	68	100	220	SRPS ISO 3104
Kinematic viscosity at 100°C, mm ² /s	6	8.0	8.0	8.0	8.0	SRPS ISO 3104
Viscosity index	140	150	140	140	140	SRPS ISO 2909
Flash point, °C	237	258	260	262	270	SRPS EN ISO 2592
Pour point, °C	-45	-42	-36	-30	-27	SRPS ISO 3016
Demulsibility at 54°C, ml/ml/ml/min 82°C	40-40-0/15 -	40-40-0/15 -	40-40-0/15 -	- 40-40-0/15	- 40-40-0/15	ASTM D 1401
Steel corrosion, degree	satisfactory	satisfactory	satisfactory	satisfactory	satisfactory	SRPS ISO 7120
Sulphate ash, %	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	DIN 51 575
Foaming, ml/ml Sequence I: 24°C Sequence II: 93.5°C Sequence III : 24°C after 93.5°C	0/0 0/0 0/0	0/0 0/0 0/0	0/0 0/0 0/0	0/0 10/0 0/0	0/0 10/0 0/0	SRPS ISO 6247

STORAGE

Store in covered area. If stored outdoors, it is necessary to place the drums in a horizontal position to prevent the accumulation of water on the surface of the drum. Do not store at elevated temperatures or in locations exposed to direct sunlight.

All necessary instructions can be found in the product SDS. It contains the details of possible hazards, warnings and first aid measures, as well as the impact on the environment and the necessary measures for the storage and handling.

PACKING

Drums 180kg, plastic containers 20L.

Data are orientational, manufacturer reserves the right to make changes in order to improve product quality.