

Yisman S3K / S4K / S6K Air Compressor Oil

Product reference: GYYY-15

Air compressor lubricants in S3K, S4K and S6K series, with distinct base oil formulations and viscosity options.

PetroNexus Yisman S6K Air Compressor Oil

Product name

PetroNexus Yisman S6K Air Compressor Oil

Viscosity / grade

32, 46, 68

Standard reference

DIN 51506 VBL,VCL and VDL

ISO 6743-3

ISO-L-DAB and ISO-L-DAJ

GB12691-2021

Product overview

PetroNexus Yisman S6K Series is a fully synthetic air compressor oil designed for the lubrication of rotary screw or sliding vane compressors, reciprocating compressors and centrifugal compressors. GTL base oil combined with advanced additive technology provides effective lubrication for equipment operating at extreme temperatures and under demanding conditions. Its distinctive formulation delivers excellent high-temperature oxidation stability and antiwear protection.

Performance features

1. Outstanding high-temperature oxidation stability and excellent antiwear protection support longer oil drain intervals and equipment service life.
2. Low varnish and carbon deposit formation tendencies help reduce maintenance costs.
3. A very high viscosity index and excellent low-temperature fluidity make the product suitable for a broader operating temperature range.
4. A zinc-free formulation provides excellent filterability and minimizes the risk of oil filter blockage in the presence of water.
5. Excellent low volatility reduces oil loss and the frequency of top-ups.
6. Good surface properties provide excellent foam control, air release and demulsibility.
7. Excellent rust and corrosion protection.
8. Compatible with mineral lubricants and with many seals and coatings commonly used with mineral oils.

Applications

- Suitable for single-stage or multistage rotary screw or sliding vane compressors, centrifugal compressors and reciprocating compressors from numerous manufacturers, including Hydrovane, Atlas Copco, Compare and Worthington.
- Suitable for mobile and stationary compressors.

Packaging

170 kg drums; IBC containers

Application limitations

- Intended only for air compressors. Do not use in process gas or fuel gas compressors. Do not use as internal combustion engine oil. Not suitable for operating conditions involving strongly acidic gases.

For grade selection, technical requirements, packaging and commercial terms, contact sales@petronexusgroup.com.

Product visual and technical data



PETRONEXUS

YISMAN S3K SERIES

Premium Ashless Air Compressor Oil

- Excellent Oxidation Stability
- Outstanding Anti-Wear and Rust Protection
- Superior Demulsibility and Water Separation

ISO VG 68 / 100 / 150



PETRONEXUS

YISMAN S4K SERIES

High-Performance Air Compressor Oil

- Outstanding Thermal and Oxidation Stability
- Low Sludge and Carbon Deposit Formation
- Reliable Operation Under Demanding Service Conditions

ISO VG 32 / 46 / 68
Severely Hydrotreated Base Oils



PETRONEXUS

YISMAN S6K SERIES

GTL-Based Fully Synthetic Air Compressor Oil

- Outstanding High-Temperature Stability
- Ultra-High Viscosity Index and Superior Low-Temperature Fluidity
- Higher Reliability for Demanding Compressor Applications

KEY SERIES COMPARISON

Parameter	S3K	S4K	S6K
Formulation	Ashless	Hydrotreated, ashless	GTL synthetic
ISO VG	68, 100, 150	32, 46, 68	32, 46, 68
Product Focus	Higher-viscosity compressor applications	Reliable industrial compressor lubrication	Synthetic performance for demanding service

Select by compressor type, OEM requirements and operating conditions.

COMMON PERFORMANCE BENEFITS

- Oxidation Stability**
Resists oil degradation and extends service life.
- Wear Protection**
Helps maintain equipment efficiency and reduce wear.
- Rust & Corrosion Protection**
Protects critical components and reduces maintenance.
- Water Separation**
Quickly separates water to ensure reliable lubrication.
- Cleaner Operation**
Helps keep compressors clean and maintain high efficiency.
- Reliable Lubrication**
Supports long service life and stable operation.

APPLICATIONS



Reciprocating Air Compressors

Suitable for stationary and mobile reciprocating air compressors.

Rotary Screw and Rotary Vane Compressors

Suitable for single-stage and multistage rotary screw and rotary vane compressors.

For compatible compressor systems only. Confirm lubricant type and viscosity with the equipment manufacturer.

TYPICAL DATA

Series	ISO VG	Viscosity at 40°C (cSt)	VI	Flash Point (°C)	Pour Point (°C)
S3K	68	68.5	105	222	-15
S3K	100	99.7	103	227	-14
S3K	150	151.4	100	232	-13
S4K	32	32.8	114	232	-42
S4K	46	46.1	112	244	-39
S4K	68	68.6	108	252	-36
S6K	32	31.8	137	228	-45
S6K	46	46.2	135	232	-42
S6K	68	68.4	133	248	-39

Typical values, not specifications.

Viscosity: ASTM D445; VI: ASTM D2270; Flash point: ASTM D92; Pour point: ASTM D97.

AVAILABLE PACKAGING



170 kg Drums



IBC Containers



Reliable Supply

Flexible Orders



PETRONEXUS

THREE SERIES. RELIABLE COMPRESSOR LUBRICATION.

- INDUSTRY
- EFFICIENCY
- RELIABILITY
- GLOBAL SUPPLY