

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 S4K Air Compressor Oil

Product name

PetroNexus Yisman S4K Air Compressor Oil

Viscosity / grade

32, 46, 68

Standard reference

DIN 51506 VDL

ISO /DP 6521 (DAA,DAB,DAH,DAG)

GB12691-2021

Product overview

PetroNexus Yisman S4K Air Compressor Oil is a high-performance compressor lubricant for rotary screw or vane compressors, reciprocating compressors and centrifugal compressors, providing reliable long-term service at extreme temperatures and under severe operating conditions. Formulated with high-quality, deeply hydrotreated base oils and specially selected additive technology, it delivers excellent oxidation stability, corrosion resistance, deposit control and low volatility. It suppresses sludge and varnish formation and supports exceptionally long continuous service in rotary screw air compressors. Its lubrication, sealing and effective heat dissipation functions help achieve efficient compressor performance.

Performance features

1. Excellent thermal and oxidation stability, together with outstanding antiwear protection, effectively extend oil and equipment service life.
2. Very low tendencies to form sludge, varnish and carbon deposits help improve compressor efficiency and reduce maintenance costs.
3. A high viscosity index and excellent low-temperature fluidity allow operation over a wider temperature range.
4. An ashless additive formulation reduces filter blockage in damp conditions and provides excellent filterability.
5. Excellent low volatility reduces lubricant consumption.
6. Improved surface properties provide excellent foam control, air release and demulsibility.
7. Controls the accumulation of corrosive acidic by-products that accelerate oil degradation, providing excellent rust protection.
8. Compatible with the vast majority of mineral lubricants and with many seals and coatings commonly used with mineral oils.

Applications

- Single-stage or multistage rotary screw compressors, vane compressors, centrifugal compressors and reciprocating compressors from OEMs including Hydrovane, Sullair, Atlas Copco and CompAir. Also suitable for mobile and stationary compressors.

Not recommended: This product must not be used in systems compressing wet or acidic hydrocarbon gases, systems compressing oxygen or other chemically reactive gases, oxygen supply equipment or medical equipment.

Packaging

170 kg drums; IBC containers

Application limitations

- Do not use in fuel gas or process gas compressors; intended only for air compressors. Do not use as 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