

AIRSYN 46 AIRSYN 68 AIRSYN 100

AIRSYN Compressor Oils are synthetic, zinc free, ash-less, anti-wear oils blended from polyalphaolefin (PAO) base stocks and esters with a very high viscosity index and low pour point.

Provides long trouble free service life and chemically stable under severe operating conditions, including extremes of pressure, temperature and load. It provides excellent protection against corrosion, resists emulsification, and formation of unwanted stable foam.

With a very high viscosity index (VI) these synthetic grades are thicker at operating temperatures than their equivalent mineral counterpart ISO grade compressor oils. ie. Airsyn 68 performs like a mineral compressor oil grade ISO 100.

Check the manufacturer's oil viscosity preference when selecting grade.

Meets the following specifications for compressors

- DIN 51506 (VBL, VCL, VDL)
- ISO/DP 6521 (DAA, DAB, DAH, DAG)

Meets the following specifications for Hydraulics

- DIN 51524, part 2 and 3 (HLP, HVLP)
- SIS SS 155434
- VDMA 24318
- Hoesch HWN 2333
- Thyssen TH N-256132
- CETOP RP 91 H (HM, HV)
- US Steel 126, 127 and 136
- Sperry Vickers I-286-S, M-2950-S
- Denison Filterability TP 02100
- AFNOR NFE 48-603 (HM, HV)

ADVANTAGES

- Airsyn 32 and Airsyn 46 are primarily intended for screw and vacuum pump compressors.
- Airsyn 68 and Airsyn 100 are primarily intended for reciprocating air compressors.
- Suitable where operating temperatures are between - 40°C and + 160°C, in normal service conditions of 250 days or 3000 actual hours, whichever comes first, up to 6000 nominal (continuous running) hours (250 x 24 hour days) in ideal operating conditions, with equipment monitoring.

The information contained herein is accurate at the time of this review. However specifications change from time to time. Ensure specifications meet equipment manufacture requirements.

COMPRESSOR FLUIDS

- Minimizes deposit formation which avoids carbon build-up.
- Extended oil change intervals, reducing servicing costs to a minimum.
- Excellent thermal and hydrolytic stability
- Very high oxidation stability: extended service life
- Good demulsibility and anti-foam properties
- Excellent corrosion protection against steel and non-ferrous metals
- Good filterability - lower tendency to block filters
- Reduced pump wear
- Excellent compatibility with seals, paints and the air line system.
- Airsyn 46 are recommended for Atlas Copco rotary screw compressors with extended oil change intervals.

AIRSYN Compressor Oils are suitable for all compressors commonly operating on mineral oil.

Viscosity grade ISO 46 is the most commonly used where one oil for all air compressors is required.

TYPICAL CHARACTERISTICS

Viscosity	ISO 46	ISO 68	ISO 100
Appearance	Clear Yellow	Clear Yellow	Clear Yellow
Density @ 15°C (g/ml)	0.836	0.84	0.85
Viscosity @ 100°C cSt	8.4	10.8	14.2
Viscosity @ 40°C cSt	46	68	100
Viscosity Index	160	150	145
Flash Point (PMC) °C	240	240	240
Pour Point °C	- 45	- 45	- 45

Package sizes

1000 litre
205 litre
20 litre