

TECHNICAL DATA SHEET

Comp S (Serie)

Comp S 32 is a fully synthetic compressor oil.

Comp S 46, 68 is a cooling and lubricating oil for multi-cell and screw compressors based on special HC synthetic oils. Due to the function, there is intensive turbulence of cooling oil and atmospheric oxygen in the compressor. At final compression temperatures of up to 100°C, the oils are exposed to a strong oxidative attack that accelerates aging. The selection of special HC synthetic oils and additive systems enables long, trouble-free operation. For optimal function of the oil separator, the air dissipation capacity and the low foaming tendency are characteristic of screw compressor oils. A high, shear-stable viscosity index, as well as very good ageing behaviour and the above-mentioned requirements describe the performance capability with which the extension of service intervals is possible.

Comp S 100, 150 is a cooling and lubricating oil for multi-cell and screw compressors based on special PAO synthetic oils. Due to the function, there is intensive turbulence of cooling oil and atmospheric oxygen in the compressor. At final compression temperatures of up to 100°C, the oils are exposed to a strong oxidative attack that accelerates aging. The selection of special PAO synthetic oils and additive systems enables long, trouble-free operation. For optimal function of the oil separator, the air dissipation capacity and the low foaming tendency are characteristic of screw compressor oils. A high, shear-stable viscosity index, as well as very good ageing behaviour and the above-mentioned requirements describe the performance capability with which the extension of service intervals is possible.

Application:

Comp S 32 are suitable for screw compressors and rotary compressors in tough continuous use.

It has proven itself in industry, tunnel construction, mining and artificial snowmaking. Modern additives give this product high thermal stability and prevent oxidation even at high temperatures. Condensation is demulsified and cleanly separated.

Comp S 46, 68: Air compressor lubricants for oil-injected multi-cell and screw compressors with a final compression temperature of up to 110 °C. For the compression of other media, please contact our application technology. Observe the manufacturer's instructions.

Comp S 100, 150: Air compressor lubricants for oil-injected multi-cell and screw compressors. For the compression of other media, please contact our application technology. Observe the manufacturer's instructions.

Properties:

Comp S 32

- Fully synthetic
- Optimal viscosity / temperature behavior
- Oxidation resistant
- Low evaporation loss (NOACK)
- highly effective wear protection and
- First-class corrosion protection
- demulsifies condensation
- Fast and safe air separation capability
- Extended oil change intervals

Comp S 46, 68

- HC synthetic oil base
- Very good viscosity and temperature behavior
- Multi-domain character
- Good cold start behavior
- Very good ageing behaviour
- Extension of service intervals possible

Comp S 100,150

- PAO-Basis
- Very good viscosity and temperature behavior
- Multi-domain character
- Good cold start behavior
- Very good ageing behaviour
- Extension of service intervals possible
- High shear stable VI
- Low evaporation
- Low tendency to coking
- Good demulsifying properties

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- High shear stable VI
- Low evaporation
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- Good demulsifying properties

Technical Data (typical values):

Property	Method	32	46	68	100	150	Unit
ISO Viscosity Class		32	46	68	100	150	
Density at 15 °C	DIN 51757	835	861	855	845	849	kg/m ³
Kin. Viscosity at 40 °C	DIN 51562	32,8	46	71	100	150	mm ² /s
Kin. Viscosity at 100 °C	DIN 51562	6,5	6,7	11,8	14,4	19,4	mm ² /s
Viscosity Index	DIN ISO 2909	144	100	160	148	148	
Flash point COC	DIN ISO 2592	242	230	240	250	250	°C
Pourpoint	DIN ISO 3016	-63	-18	-24	-60	-46	°C
Air separation capacity	DIN 51381	1					min

Specifications:

DIN 51524-1 HL (32 only)	DIN 51506 VDL-HC (46, 68 only)
DIN 51524-2 HLP (32 only)	DIN 51506 VDL (100, 150 only)
DIN 51524-3 HVLP (32 only)	ISO 6521 DAA, DAB, DAH, DAG (46, 68, 100, 150 only)
DIN 51506 VDL (32 only)	DIN 51524-HVLP-HC (46, 68 only)
ISO 6743-3 DAA (32 only)	DIN 51524-HVLP (100, 150 only)
ISO 6743-3 DAB (32 only)	ATLAS-COPCO (46, 68, 100, 150 only)
ISO 6743-3 DAG (32 only)	
ISO 6743-3 DAH (32 only)	
ISO 6743-3 DAJ (32 only)	
ISO 6521-2 (32 only)	

The information in this product information represents general, non-binding guideline values. In no case do they include an assurance of properties or a guarantee for the suitability of the product for the individual case.