



Aircol SH 100

Compressor oil type VDL

Description

Aircol SH 100 high performance synthetic compressor oil reduces wear through its outstanding film strength, and protects compressor components. Due to the synthetic base oils, Aircol SH 100 has an excellent long term stability and offers longer oil change intervals in comparison with traditional mineral oil lubricants.

Further important qualities are a lower energy consumption, minimal coking, evaporation, foaming tendencies and a good water separation ability.

Application

Aircol SH 100 is for use in mobile air compressors with maximum compression temperatures of +220°C, and in stationary air compressors with maximum temperatures of +160 °C. Aircol SH 100 should be used if VDL air compressor oils in accordance with DIN 51 506 are recommended . This product is compatible with many gases and is excellent for the use in process gas compressors, gas piston compressors and vacuum pumps.

Advantages

- Reduced wear through outstanding film strength, and protects compressor components.
- Excellent long term stability and longer oil change intervals
- Lower energy consumption
- Minimal coking and evaporation rates
- Low foaming tendency and a good water separation.

Typical Characteristics

Name	Method	Units	Aircol SH 100
ISO Viscosity	-	-	100
Density @ 15°C / 59°F	ISO 12185 / ASTM D4052	kg/m ³	957
Kinematic Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm ² /s	100
Kinematic Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm ² /s	9.7
Acid Number	ISO 6618 / ASTM D974	mgKOH/g	0.2
Flash Point - open cup method	ISO 2592 / ASTM D92	°C/°F	266 / 511
Pour Point	ISO 3016 / ASTM D97	°C/°F	-39 / -38
Volatility - Noack	ASTM D5800	% wt loss	<1.0
Carbon residue - Conradson test	DIN EN ISO 10370	% wt	<0.05
Carbon residue - Conradson test after aging with Fe ₂ O ₃	DIN 51352-2	% wt	0.45
Copper corrosion (3 hrs @ 100°C/212°F)	ISO 2160 / ASTM D 130	Rating	1-100 A3

Subject to usual manufacturing tolerances.

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