



TECHNICAL DATA SHEET

AIMOL Airtech HC

Synthetic compressor fluid for rotary screw applications

DESCRIPTION

AIMOL Airtech HC synthetic compressor fluids are formulated with synthetic base stocks and special synergistic super high performance additives specifically for rotary screw air applications.

BENEFITS

- ◆ Excellent oxidation stability and long life at very high temperatures
- ◆ Very high VI index or better compressor protection at elevated temperatures
- ◆ Very high flash & auto-ignition points for added safety
- ◆ Low volatility and carry over into filters and storage tanks
- ◆ Excellent film strength and anti wear properties
- ◆ Very good coolant properties to help dissipate compressor heat
- ◆ Very long life fluid allows for extended oil drains
- ◆ Excellent carbon and varnish control to help reduce valve deposits
- ◆ Excellent rust & corrosion control
- ◆ Meets VDL requirements according to DIN 51506

APPLICATION

AIMOL Airtech HC synthetic compressor fluids are used as lubricants/coolants in rotary screw air compressors.

TYPICAL FIGURES

Parameter	Test method	HC 32	HC 46	HC 68	HC 100	HC 150
Viscosity index	ASTM D2270	101	102	102	99	114
Viscosity cSt @ 40 °C	ASTM D445	34	46	67	103	152
Viscosity cSt @ 100 °C	ASTM D445	5,6	6,8	8,7	11,5	16,4
Flash point, °C	ASTM D92	214	218	221	226	246
Auto ignition point, °C	ASTM D92	322	327	331	335	360
Pour point, °C	ASTM D97	-34	-32	-30	-30	-24
Copper corrosion, 24 hr	ASTM D130	1a	1a	1a	1a	1a
Demulsibility, 54 °C, 30 min	ASTM D140	40/40/0	40/40/0	40/40/0	40/40/0	40/40/0
4-ball wear test						
• Wear scar, 40 kg, 1200 rpm @ 75 °C, kg	ASTM D4172	0.45	0.45	0.44	0.44	0.40
• Welding load, kg	ASTM D2596	100	100	100	100	100
Rust test (Distilled water, sea water)	-	Pass	Pass	Pass	Pass/	Pass/

TECHNICAL DATA INFO LINE

Should you require additional information or advice on AIMOL products, please contact us as per the details below.

HEALTH AND SAFETY

AIMOL Airtech HC has no adverse health effects provided it is used as directed.

Typical figures as indicated may vary per production cycle and can change at manufacturers' option. Specifications, however, are guaranteed. Because of continuous product research and development, the information within this data sheet is subject to change without any notification. Although every effort is made to ensure accurate information, A.I.M. bv accepts no liability for any loss or damage suffered caused by the incorrectness and/or incompleteness of this text, and as a result of using this product for any application other than explicitly stated in this data sheet.