



ELKALUB poly-alpha-olefines
Series LFC 9000
With NSF H1 Approval

Poly-alpha-olefines (PAO's) constitute a newly developed class of oils based on synthetic hydrocarbons, which have a chemical structure similar to mineral oils.

The oils of the **series LFC 9000** are completely synthetic EP high-performance lubricating oils, which are mixable with all mineral oils. They distinguish themselves by excellent lubricating capabilities, high stability under high and low temperatures and little chemical aggressiveness. The **LFC 9000 oils** possess an excellent **capability to separate air from water** and offer the best protection against wear and corrosion. Besides they have no tendency to carbonize and form residues. They should be applied according to the viscosity prescribed by the machine manufacturer.

The **LFC 9000 oils** are excellent as circulation, oil sump and chain lubricants under high temperatures, as well as for gears and bearings and as compressor oils.

The oils indicated below have shown excellent results in the graphic industry for **different types of compressors**. The upper temperature limit is +150° C.

1. CLP-oils based on PAO for the temperature range from -30° C (-45° C) up to +150° C (short-time +170° C)

Technical data

Product	ISO VG (cSt)	Viscosity at 40° C (cSt)	Viscosity at 100° C N/mm ²	SHELL-4 ball tester surface pressure (800N/10min)	FZG power stage
LFC 9032	32	31,9	6,2	1500	n.d.
LFC 9046	46	42,6	9,7	1500	n.d..
LFC 9068	68	69,3	10,8	1500	12
LFC 9100	100	107,9	15,1	1500	n.d.
LFC 9150	150	157	20,3	1200	n.d.
LFC 9220	220	223,9	26,3	1400	n.d.
LFC 9320	320	310,6	34,6	1500	>12
LFC 9460	460	480	53	1200	n.d.
LFC 9680 ¹⁾	680	720	63	1600	n.d.
LFC 91000 ¹⁾	1000	1060	90	1200	n.d.

1) without H1-approval, but H1-able

Revision: ¹⁾ 15.06.2005/JB

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Oils for hydraulic systems (HLP) based on PAO for the temperature range from –40° C (-45° C) up to +150° C

Technical data

Product	ISO VG	Viscosity at 40° C (mm ² /s)	Viscosity at 100° C (mm ² /s)	SHELL-4 ball tester surface pressure N/mm ² (800N/10min)	FZG power stage
LFC 9032	32	31,9	6,2	1500	n.d.
LFC 9046	46	42,6	9,7	1500	n.d..
LFC 9068	68	69,3	10,8	1500	12

These data are issued in good faith and reflect our knowledge of today. We reserve the right to modify and/or supplement them.