

Compressor Oil Technical Data Sheet

High quality synthetic esters are widely used as compressor base stocks due to their excellent thermal/oxidative stability, low volatility, and wide operating temperature range. They provide clean operation for long life at elevated temperatures. Reciprocating and rotary vane compressors take advantage of the inherent lubricity and solvency of diesters and trimellitates while rotary screw and centrifugal fluids benefit from the extreme oxidative stability of polyol esters. Refrigeration grades (SRL) have optimized miscibility and flow properties with the refrigerant gas at high and low temperatures.

Synthetic Ester	Chemistry	Viscosity @ 40°C (cSt)	Viscosity @ 100°C (cSt)	Viscosity Index	Flash Pt. (°C)	Pour Pt. (°C)
LEXOLUBE 2I-214	NPG	5.5	1.9	na	190	-70
LUBRICIT DIOA	Diester	9	2.7	150	215	-60
LUBRICIT DIDA	Diester	14	3.6	145	230	-60
LUBRICIT TMP C9	Polyol	21	4.6	140	275	-50
LEXOLUBE POE-22	Polyol	22	4.7	140	270	-40
LUBRICIT DTDA	Diester	23	4.9	145	245	-55
LEXOLUBE PQ-25*	Polyol	25	5.0	134	265	-55
LUBRICIT DTDA/1	Diester	27	5.4	135	250	-60
LEXOLUBE POE-32	Polyol	32	6.0	135	270	-40
LEXOLUBE POE-46	Polyol	46	7.4	135	270	-45
LEXOLUBE POE-68HT*	Polyol	68	10	130	300	-40
LEXOLUBE PQ-68*	Polyol	68	8.6	100	250	-30
LUBRICIT 9505	Dimer	88	13	150	325	-30
LEXOLUBE POE-100HT*	Polyol	100	12	120	300	-35
LUBRICIT 3010	Aromatic	135	13	80	280	-40
LUBRICIT 9522	Complex	140	19	145	310	-50
LEXOLUBE POE-220HT*	Polyol	220	19	100	300	-25
LUBRICIT DPE 89*	Polyol	305	23	90	300	-15
LUBRICIT 3013/1	Aromatic	320	20	70	290	-30
LEXOLUBE POE 350HT*	Polyol	350	25	90	300	-15
LUBRICIT DPE 6iC9*	Polyol	390	26	90	315	-20
LEXOLUBE CLG-460	Complex	460	40	135	285	-20
LEXOLUBE CP-460LC	Complex	460	46	160	290	-25

Features

- ▶ Thermal/oxidative stability
- ▶ Low volatility, High flash point
- ▶ Clean performance
- ▶ Low temperature fluidity
- ▶ Long service life

Applications

- ▶ Air compressors
- ▶ Refrigeration/SRL
- ▶ Flooded rotary screw
- ▶ Rotary vane, Centrifugal
- ▶ Reciprocating

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