

QUALITY PROTECTS.



QUALITY WORKS.

LANXESS
Energizing Chemistry

Hatcol®

Synthetic esters for industrial & transportation lubricant applications

Description

Hatcol® esters improve the performance of lubricants, whether used as the primary base stock or as a property-enhancing additive with other base stocks, to provide formulated lubricants with an optimum balance of performance and cost. Hatcol® esters can be tailored to produce a wide range of viscosities, viscosity indices, load-carrying capaci-

ties and other critical properties. The chemical structure of esters provides an excellent combination of thermal stability and inherent polarity, resulting in cleaner surfaces, long-life, biodegradability, fire resistance and excellent lubrication properties.

Technical advantages

■ High thermal and thermo-oxidative stability

■ Inherent polarity

■ Greater film strength and lubricity

■ Low vapor pressure and volatility

Performance benefits

■ Longer equipment service life

■ Lower deposits and varnish

■ Extended oil drain intervals

■ Reduced maintenance costs

■ Higher operating temperatures

■ Excellent additive solubility

■ Natural detergency to maintain system cleanliness

■ Biodegradability for a better environment

■ Lower energy consumption

■ Decreased wear of moving parts

■ High flash point and fire resistance

■ Reduced oil consumption

X Hatcol®

Applications

- Air and gas compressor lubricants, as the sole base stock or as part of a blend
- MIL-SPEC, commercial aviation and stationary turbine oils
- General light duty gear and bearing oils
- Premium PAO/ester heavy duty gear oils
- Biodegradable lubricants
- Fire-resistant hydraulic fluids
- Automotive engine and transmission oils
- High-temperature chain oils

	Hatcol®	Kinematic viscosity at 100°C (cSt)	Kinematic viscosity at 40°C (cSt)	Viscosity index	Pour point °C/°F	Flash point °C/°F	Chemical description	Hydraulics	Compressors	Gears & bearings	High temp chains	Greases	Metal working	Automotive	Biodegradable oils
Diesters	2906	2.7	9.1	148	-65 / -85	210 / 410	Di-isooctyl adipate	■		■		■	■	■	■
	3110	3.2	12	150	-65 / -85	224 / 435	Di-2-ethylhexyl sebacate		■			■	■		
	2910	3.6	14	142	-62 / -80	224 / 435	Di-isodecyl adipate	■		■		■		■	■
	2901	5.5	28	135	-60 / -76	243 / 469	Di-isotridecyl adipate		■	■		■			■
	2923	5.5	39	61	-43 / -46	229 / 444	Di-isodecyl phthalate		■						
	2922	8.4	85	51	-37 / -35	252 / 485	Di-isotridecyl phthalate		■						
	2941	16	213	74	-29 / -20	282 / 540	Trimellitate ester					■			
Polyol esters	2957	2.1	7.5	65	-65 / -85	185 / 365	NPG ester						■		
	2938	4.4	19	140	-54 / -65	254 / 490	TMP ester	■	■	■		■	■	■	■
	2954	5.0	24	139	-59 / -75	260 / 500	PE ester	■		■		■			■
	3169	6.3	34	138	-34 / -30	274 / 525	PE ester	■		■	■	■		■	■
	5054	7.1	47	92	-46 / -50	235 / 455	TMP ester		■						
	5068	8.7	64	109	-43 / -45	266 / 510	PE ester					■	■		■
	2999	12	81	150	-40 / -40	285 / 545	Specialized POE ester		■	■			■		■
	2372	14	120	116	-34 / -29	293 / 560	DiPE ester		■		■	■		■	■
	5150	18	170	117	-29 / -20	285 / 545	DiPE ester		■		■	■			
	3165	26	400	88	-15 / +5	288 / 550	DiPE ester					■	■		

Additional products not listed but available. Please contact LANXESS for more information.

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Unless specified to the contrary, the values given have been established on standardized test specimens. The figures should be regarded as guide values only and not as binding minimum values. Kindly note that the results refer exclusively to the specimens tested. Under certain conditions, the test results established can be affected to a considerable extent by the processing conditions and manufacturing process.

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