



NYCO
INDUSTRY & AUTOMOTIVE



NYCOBASE

**SYNTHETIC ESTERS:
TAKE UP THE CHALLENGE WITH US**

➤ Product range 1/2

MONOESTERS					LuSC list
BRANCHED ALCOHOL	LINEAR ACIDS	SATURATED	Nycobase 7100		
BRANCHED ALCOHOL	LINEAR ACIDS	SATURATED	Nycobase 8110	✓	
BRANCHED ALCOHOL	LINEAR ACIDS	SATURATED	Nycobase 9108		
DIESTERS					
ADIPATE	BRANCHED ALCOHOLS	SATURATED	Nycobase ADE		
SEBACATE	BRANCHED ALCOHOLS	SATURATED	Nycobase SEH		
ADIPATE	BRANCHED ALCOHOLS	SATURATED	Nycobase ADD		
ADIPATE	BRANCHED ALCOHOLS	SATURATED	Nycobase ADT		
DIMERATE	BRANCHED ALCOHOLS	UNSATURATED	Nycobase 3608		
NEOPOLYOL ESTERS					
NEOPENTYLGLYCOL	LINEAR ACIDS	SATURATED	Nycobase 8210	✓	
TRIMETHYLOLPROPANE	LINEAR ACIDS	SATURATED	Nycobase 7300	✓	
MONOPENTAERYTHRITOL	LINEAR ACIDS	SATURATED	Nycobase 5400		
TRIMETHYLOLPROPANE	LINEAR ACIDS	SATURATED	Nycobase 8317		
TRIMETHYLOLPROPANE	LINEAR ACIDS	SATURATED	Nycobase 8103	✓	✓
TRIMETHYLOLPROPANE	LINEAR ACIDS	SATURATED	Nycobase 9300		
MONOPENTAERYTHRITOL	LINEAR ACIDS	SATURATED	Nycobase 7450		
MONOPENTAERYTHRITOL	LINEAR ACIDS	SATURATED	Nycobase 7400		
TRIMETHYLOLPROPANE	LINEAR ACIDS	SATURATED	Nycobase 8311	✓	✓
TRIMETHYLOLPROPANE	LINEAR ACIDS	UNSATURATED	Nycobase 3118	✓	
TRIMETHYLOLPROPANE	LINEAR & BRANCHED ACIDS	SATURATED	Nycobase 8318S	✓	✓
MONOPENTAERYTHRITOL	LINEAR ACIDS	SATURATED	Nycobase 5750		
MONOPENTAERYTHRITOL	LINEAR ACIDS	SATURATED	Nycobase 8410	✓	
MONOPENTAERYTHRITOL	LINEAR ACIDS	SATURATED	Nycobase 8418	✓	
MONOPENTAERYTHRITOL	LINEAR & BRANCHED ACIDS	SATURATED	Nycobase 20441		
TRIMETHYLOLPROPANE	BRANCHED ACIDS	SATURATED	Nycobase STM	✓	✓
MONOPENTAERYTHRITOL	BRANCHED ACIDS	SATURATED	Nycobase 1040X		
DIPENTAERITHRYTOL	LINEAR & BRANCHED ACIDS	SATURATED	Nycobase 9670X		
DIPENTAERITHRYTOL	BRANCHED ACIDS	SATURATED	Nycobase 1060X		
DIPENTAERITHRYTOL	BRANCHED ACIDS	SATURATED	Nycobase 9600X		



NYCOGREEN is Nyco's offer for Environmentally Considerate Lubricants

LuSC list products are approved for straightforward use in European Ecolabel compliant lubricants

➤ Product range 2/2

COMPLEX ESTERS			LuSC list
SATURATED LINEAR ACID COMPLEX ESTER	Nycobase 8306	✓	✓
SATURATED LINEAR ACID COMPLEX ESTER	Nycobase 20365	✓	
SATURATED LINEAR ACID COMPLEX ESTER	Nycobase 8345	✓	✓
SATURATED LINEAR ACID COMPLEX ESTER	Nycobase 8145	✓	
SATURATED LINEAR ACID COMPLEX ESTER	Nycobase 8812	✓	✓
SATURATED LINEAR ACID COMPLEX ESTER	Nycobase 20327	✓	
SPECIAL COMPLEX ESTER	Nycobase 3645		
SATURATED LINEAR ACID COMPLEX ESTER	Nycobase 8828		
PARTIALLY UNSATURATED LINEAR ACID COMPLEX ESTER	Nycobase 4045		
SATURATED LINEAR ACID COMPLEX ESTER	Nycobase 8355	✓	
SATURATED LINEAR ACID COMPLEX ESTER	Nycobase 8361	✓	✓
SATURATED LINEAR ACID COMPLEX ESTER	Nycobase 8851		
SATURATED LINEAR ACID COMPLEX ESTER	Nycobase 8397	✓	✓
SATURATED LINEAR ACID COMPLEX ESTER	Nycobase 8898		
SATURATED LINEAR ACID COMPLEX ESTER	Nycobase 6001		
FOOD GRADE ESTERS			
DIESTER	Nycobase 20307 FG		
NEOPOLYOL ESTER	Nycobase 30401 FG		
NEOPOLYOL ESTER	Nycobase 30502 FG		
SATURATED LINEAR ACID COMPLEX ESTER	Nycobase 43203 FG		
SATURATED LINEAR ACID COMPLEX ESTER	Nycobase 43608 FG		
SATURATED BRANCHED ACID NEOPOLYOL ESTER	Nycobase 32506 FG		
SATURATED LINEAR ACID COMPLEX ESTER	Nycobase 45004 FG		
SATURATED LINEAR ACID COMPLEX ESTER	Nycobase 46115 FG		
SPECIAL ESTERS			
Water soluble esters			
POLYESTER	Nycobase 618		
POLYESTER	Nycobase 619		
High density hydrocarbon resistant esters			
POLYESTER	Nycobase LPG 400		
POLYESTER	Nycobase ADEP 12		



NYCOGREEN is Nyco's offer for Environmentally Considerate Lubricants

LuSC list products are approved for straightforward use in European Ecolabel compliant lubricants

➤ Typical properties 1/2

PRODUCT NAME	Density @ 20°C kg/m ³	Viscosity @ -54°C mm ² /s	Viscosity @ -40°C mm ² /s	Viscosity @ -18°C mm ² /s	Viscosity @ 40°C mm ² /s	Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C	Flash Point °C	Biodegradability OECD 301B	Renewable Carbon %	TSCA
MONOESTERS												
Nycobase 7100	864	263	76		3.2	1.3		<-72	140	>60	0	Y
Nycobase 8110	862	280			3.2	1.3		-80	150	80	52	Y
Nycobase 9108	861				3.3	1.3		-70	160	>60	0	Y
DIESTERS												
Nycobase ADE	925	5000			7.7	2.3	120	-72	200		0	Y
Nycobase SEH	914	7950	1 340		12	3.2	153	-60	230	>60	38	Y
Nycobase ADD	918			298	14	3.6	145	-72	232		0	Y
Nycobase ADT	911		20 000	1 280	26	5.3	136	-58	240		0	Y
Nycobase 3608	913			5 800	99	13.6	139	-51	300		69	Y
NEOPOLYOL ESTERS												
Nycobase 8210	916		-	115	8.4	2.5	140	-40	210	80	77	Y
Nycobase 7300	959	15 250	2 500	300	14	3.4	120	-66	235	85	0/77	Y
Nycobase 5400	1019		3 500	-	16	3.7	115	-63	235	>60	0	Y
Nycobase 8317	948		-	388	17.5	4.0	130	-60	250	>60	55/80	Y
Nycobase 8103	943		-	460	19.6	4.4	136	-45	257	79	81	Y
Nycobase 9300	941				21.0	4.6	140	-51	260	85	0	Y
Nycobase 7450	999				20.2	4.4	128	-57	248			Y
Nycobase 7400	978		-	550	22	4.7	134	-33	260	>60	0/84	Y
Nycobase 8311	937		-	550	22.6	4.9	148	-36	270	77	82	Y
Nycobase 3118	917		-	1 200	46	9.4	192	-42	316	84	89	Y
Nycobase 8318S	926		-	1 570	43	7.6	151	-36	283	67	84	Y
Nycobase 5750	987		7 000	-	24.5	5.1	140	-59	260	>60	15/62	Y
Nycobase 8410	957		-	-	29.1	5.8	147	-6	287	78	87	Y
Nycobase 8418	949		-	-	34.5	6.6	150	-3	300	>60	88	N
Nycobase 20441	957				64	8.7	109	-39	265			Y
Nycobase STM	915			7 000	106	14.3	137	-30	310	63	90	Y
Nycobase 1040X	955		-	24 500	94	10	88	-27	272	-	0	Y
Nycobase 9670X	969				174	17.3	107	-30	285			Y
Nycobase 1060X	967		-	-	250	20	92	-25	296	-	0	Y
Nycobase 9600X	967		-	-	380	25.6	88	-15	295	-	0	Y

The above values are typical values. They do not constitute any contractual commitment.

➤ Typical properties 2/2

PRODUCT NAME	Density @ 20°C kg/m ³	Viscosity @ -54°C mm ² /s	Viscosity @ -40°C mm ² /s	Viscosity @ -18°C mm ² /s	Viscosity @ 40°C mm ² /s	Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C	Flash Point °C	Biodegradability OECD 301B	Renewable Carbon %	TSCA
COMPLEX ESTERS												
Nycobase 8306	936			788	28	5.7	150	-42	268	67	82	Y
Nycobase 20365	937			730	28.7	6	162	-36	280	88	82	Y
Nycobase 8345	941			1 430	43	8	162	-45	271	81	82	Y
Nycobase 8145	946			1 594	47	8,5	162	-54	264	>60	81	Y
Nycobase 8812	942			3 040	73	12	163	-42	270	65	82	Y
Nycobase 20327	943			3 600	75	12	153	-36	273	65	84	Y
Nycobase 3645	919			8 000	125	17	148	-48	290		69	Y
Nycobase 8828	947			15 140	223	28	164	-36	270		82	Y
Nycobase 4045	953			49500	380	43	153	-33	285		86	Y
Nycobase 8355	993			11760	152	20	152	-42	270	66	63	Y
Nycobase 8361	1014			46 675	316	32	142	-33	270	67	55	Y
Nycobase 8851	950			63100	520	50	160	-33	285		86	Y
Nycobase 8397	1029				1 000	84	164	-21	292	79	50	Y
Nycobase 8898	951				1 200	104	175	-27	290		87	Y
Nycobase 6001	956				10077	622	230	-6	286		87	Y
FOOD GRADE ESTERS												
Nycobase 20307 FG	913	8000	1400	193	11.7	3.3	164	-66	224	84	38	Y
Nycobase 30401 FG	943			470	20	4.4	136	-51	250	>60	80	Y
Nycobase 30502 FG	938			560	23	4.9	148	-39	270	>60	80	Y
Nycobase 43203 FG	1015			47500	330	33.2	142	-27	270	>60	55	Y
Nycobase 43608 FG	948				330	36.2	160	-36	272		85	Y
Nycobase 32506 FG	950				390	25.3	89	-20	295			Y
Nycobase 45004 FG	951			63250	503	50	160	-33	284		86	Y
Nycobase 46115 FG	957				9900	580	230	-6	300		87	Y
SPECIAL ESTERS												
Water soluble esters												
Nycobase 618	1109				130	19.4	170	-3	260	>60	15	Y
Nycobase 619	1145				122	18	165	-33	254	>60	0	Y
High density hydrocarbon resistant esters												
Nycobase LPG 400	1160				7 000	450	228	5	310		0	Y
Nycobase ADEP 12	1064				170	21	145	-33	240		0	Y

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➤ Application guidelines 1/2

PRODUCT NAME	2 T	4 T	Hydrau- lics	Gear, bearing	High temp.	Air Comp.	Refrig- eration	Ground turbine	Metal working	Chain oil	Grease	Textile	Ink Coating Plasticizer
MONOESTERS													
Nycobase 7100													
Nycobase 8110													
Nycobase 9108													
DIESTERS													
Nycobase ADE													
Nycobase SEH													
Nycobase ADD													
Nycobase ADT													
Nycobase 3608													
NEOPOLYOL ESTERS													
Nycobase 8210													
Nycobase 7300													
Nycobase 5400													
Nycobase 8317													
Nycobase 8103													
Nycobase 7450													
Nycobase 7400													
Nycobase 8311													
Nycobase 9300													
Nycobase 3118													
Nycobase 8318S													
Nycobase 5750													
Nycobase 8410													
Nycobase 8418													
Nycobase 20441													
Nycobase STM													
Nycobase 1040X													
Nycobase 9670X													
Nycobase 1060X													
Nycobase 9600X													

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➤ Application guidelines 2/2

PRODUCT NAME	2 T	4 T	Hydrau- lics	Gear, bearing	High temp.	Air Comp.	Refrige- ration	Ground turbine	Metal working	Chain oil	Grease	Textile	Ink Coating Plasticizer
COMPLEX ESTERS													
Nycobase 8306													
Nycobase 20365													
Nycobase 8345													
Nycobase 8145													
Nycobase 8812													
Nycobase 20327													
Nycobase 3645													
Nycobase 8828													
Nycobase 4045													
Nycobase 8355													
Nycobase 8361													
Nycobase 8851													
Nycobase 8397													
Nycobase 8898													
Nycobase 6001													
FOOD GRADE ESTERS													
Nycobase 20307 FG													
Nycobase 30401 FG													
Nycobase 30502 FG													
Nycobase 43203 FG													
Nycobase 43608 FG													
Nycobase 32506 FG													
Nycobase 45004 FG													
Nycobase 46115 FG													
SPECIAL ESTERS													
Water soluble esters													
Nycobase 618													
Nycobase 619													
Hydrocarbon resistant esters													
Nycobase LPG 400													
Nycobase ADEP 12													

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