

LubriTec

Synthetic Lubricant Cross Reference Chart Series

Synthetic Industrial E. P. Gear Lubricants

AGMA Grade	Series Name	ISO 46 1EP	ISO 68 2 EP	ISO 100 3 EP	ISO 150 4 EP	ISO 220 5 EP	ISO 320 6 EP	ISO 460 7 EP	ISO 680 8 EP	ISO 1000	Remarks
Agip (Italy)	Blasia S				150	220	320				PAG
Alithicon *	SGO Enclosed Gear Oil			100	150	220	320	460			
American Agip	Syngear EP	----	----	100	150	220	320	460	----	----	PAO
American Lubr.	Syn EP Gear				100	150	220	320	460		PAO
AMSOIL	-----	SGI	SGJ	SGK	SGL	SGM	SGN	SGO	SGP	----	PAO
Anderol	-----	5001	----	----	5004	5005	5006	5460	----		PAO
	(#) XEP	4046	4068	4100	4150	4220	4320	4460	4680	4111	PAO
	(#) XEP	----	----	----	2150	2220	2320	----	----	----	Diester
Aral (Germany)	Degol PAS				150	220	320	460			PAO
	Degol GS				150	220	320	460	680	1000	PAG
	Degol BAB		68	100		220		460			Ester
	Degol BMB	46		100		220		460	680	1200	Silicone
	Degol BG	46	68	100	150	220	320	460	680		Silicone
	Degol BG plus			100	150	220	320	460	680		Silicone
Baum's Castorine	Tena-Film EP			500	700	1000	1400				
Bechem (Germany)	Berusynth EP			100	150	220	320	460	680	1000	
Bel-Ray	SE2 Lubricant	50	----	65	90	140	200	200	250	350	PAO
	Synthetic Gear Oil 6692						(320)				PAO
Benz Oil	Syn-Tech PAO	----	68	100	150	220	320	460	680	----	PAO
BP	Enersyn SG-XP					220		460			PAG
	Enersyn HTX				150	220	320				PAO
C&C Oil	Duration Syn EP Gear Oil			100	150	220	320	460			
Castrol	Isolube EP	46	68	100	150	220	320	460	----	----	Group III Base Oil
	Alphasyn PG				150	220	320	460			PAG
	Alphasyn EP						320				PAO
	Syngear					220					Ester
	Tribol 800-	----	----	----	150	220	320	460	680	1000	PAG
	Tribol 1510/					220	320	460			PAO
	Optigear Synthetic A					220	320	460			PAO
	Optigear Synthetic X						320				PAO
	BIOTOP 1418				150	220	320	460			Biodegradable Ester
Century/NFO	Gear Pro			3S	4S	5S	6S	7S			POE
Cepsa (Spain)	Gear HPS (Engranajes)				150	220	320	460			PAG
	Gear HPX (Engranajes)		68	100	150	220	320	460	680		PAO

	Series Name	ISO 46	ISO 68	ISO 100	ISO 150	ISO 220	ISO 320	ISO 460	ISO 680	ISO 1000	Remarks
Champion	SynGold EPG		68	100	150	220	320	460	680		API GL-5 level
Chemtool	CT EP Gear Oil			100	150	220	320	460			PAO
Chevron	Tegra Synthetic Gear	----	----	----	150	220	320	460	680	----	PAO
Citgo	Citgear EP	----	----	----	150	220	320	460			PAO
Cognis	Emgard (ISO) IND-EP	----	----	----	150	220	320	460	680	----	
	Emery	----	----	----	2825	2826	2827	2828	2829	----	
Compagnia Italiana (Italy)	Molyguard Gear Synt	46	68	100	150	220	320	460	680	1000	
Conoco	Syncon EP	----	----	----	150	220	320	460	----	----	PAO
	Syncon Emgard					----	320EP	460EP	680EP	----	Cognis product
	SynXPA H-4617-	see note below									Ester
CPI					150	220	320	460			PAO
Darmex	-----			75/90EP	75/90EP	90EP	9140EP	140EP			
David Weber	Syngear EP			100	150	220	320	460			PAO
Dow	Uconall										PAG
Dow Corning	Molykote L-2100 series			L-2110	L-2115	L-2122	L-2132	L-2146	L-2168		PAO
Dylon	Ultra Gear SL	----	----	----	150	220	320	460	680	1000	
Eurol (Netherlands)	Syntan EP				150	220		460			PAG
Exxon	Spartan Synthetic EP	----	----	100	150	220	320	460	680	1000	PAO
Fuchs (Germany)	Renolin Unisyn CLP					220	320	460			PAO
	Renolin PG					220	320	460			PAG
Gulf Oil	Synthetic EP G.L.	----	----	----	----	220	320	460	----	----	PAO
Gulf Oil Ltd	Synthetic Gear				150			460			PAG
	EP Lubricant SY				150			460			PAO
Idemitsu Kosan (Japan)	Daphne Alpha Gear 32	46	68	100	150	220	320	----			
	Daphne Alpha Worm						320	460			
Ind. Oils Unltd	Syngear G-			100	150	220	320	460			
Industri-Lube	SGO	----	68	100	150	220	320	460	680	----	
Irving Oil	Syn Gear Oil		68	100	150	220	320	460	----	----	PAO
JAX	Synax EP	----	----	----	150	220	320	460	680	----	PAO
Keystone	KSL Gear Lube	----	----	----	150	220	---	460	----	----	Diester, see note below
	Keygear				150	220		460			See note below
Kluber (Germany)	Syntheso D (ISO) EP	----	----	----	150	220	320	460	680	----	PAG
	Klubersynth EG 4-	----	----	100	150	220	320	460	680	----	PAO
	Klubersynth GH 6-	----	80	100	150	220	320	460	680	1000	PAG
Leahy-Wolf	Synmaster				EP4	EP5	EP6	EP7			PAO
Leprinxol (Germany)	PG GK Synth	46	68	100		220			680		PAG
LuBest/Momar	Gear Oil			EP3	EP4	EP5	EP6	EP7			PAO
Lubricants USA	Synpro EP				150	220	320	460	680	----	
Lubrication Engrs.	Monolec	----	----	----	----	9220	9320	9460	----	----	PAO
LUBRIPLATE	SFGO	46	68	100	150	220	320	460	680	----	PAO, Food Grade
Lubrax/Lubritene (South Africa)	Lubrene GO Syn									1000	
Maxol (Ireland)	Synthetic Gear Oil W (viscosity unknown)										PAG

	Series Name		ISO 46	ISO 68	ISO 100	ISO 150	ISO 220	ISO 320	ISO 460	ISO 680	ISO 1000	Remarks
Meguin (Germany)	Gearol Synth CLP						220	320	460	680		PAO/Ester
Metalcote	MC EP Gear Oil			100	150	220	320	460				PAO
Metatron (Mexico)	Metatron 691			100	150	220	320	460	680			PAO
Mobil	Mobilgear SHC		----	----	----	150	220	320	460	680	1000	PAO, see below
	Mobilgear SHC							XMP				PAO, see below
	Glygoyle		----	11 (ISO 68/100)	22	30	----	HE460	HE680	----		PAG
Molyduval (Germany)	Syntholube G EP		46	68	100	150	220	320	460	680	1000	PAG
Moroil Tech.	SGL			100	150	220	320	460				
Morris (UK)	Lodexol FS				150	220	320	460				PAO
	Lodexol PG				150	220	320	460				PAG
Pacer	SGO				704		706		708			PAO
Pennzoil	Super Maxol S		----	68	100	150	220	320	460	----	----	PAO
Petro-Canada	Ultima Synthetic EP		----	----	----	150	220	320	460	----	----	
Petronas (Malaysia)	Gear Syn IG	32	46	68	100	150	220	320	460	680	1000	PAO
Petronomics	-----				51090	51092	51094	51096	51098			PAO
Phillips	Syndustrial EP G.O.		----	68	----	150	220	320	460	----	----	PAO
PICO Chemical	Syn GO EP				100	150	220	320	460			
Primrose	Syn-O-Gen 747-S				----	150	220	320	460	680	1000	PAO
Prolab	Monogear Synthetic					150	220	320	460	680		PAO
Repsol-YPF (Spain)	Super Tauro PAG					150	220	320	460			PAG
	Super Tauro Sintetico				100	150	220	320	460			PAO/Ester
Royal Lubricants	Royco		----	----	----	611	612	613	614	616	618	PAO
	Royco		----	----	----	637	638	----	639	----	----	PAG
Royal Mfg.	Monarch Syngear	32	46	68	100	----	220	----	460	----		
Royal Purple	Thermyl-Glyde		46	68	100	150	220	320	460	680	1000	PAO
Schaeffer	167 Moly Pure S.G.L.		----	68	100	150	220	320	460	680	----	PAO
Sentinal	S-						10/50	90/140EP				PAO
	SC GBO			S-80	S-75/80	S-75/90	S-90	S-90/140	S-140	S-250		
Setral (Germany)	Syn Gear EP series											
Shell	Omala HD		----	----	----	150	220	320	460	680	----	PAO
	Tivela		----	----	----	WA	WB	----	SD	----	----	PAG
Shell Canada	Tivela S						220		460			PAG
	Hyperia S						220		460	680		Approved for GE Wheelmotors
Sinclair	Dyno-Tech EP		----	68	----	150	220	320	460	680	----	
SLFi	SGL			68	100	150	220	320	460	680		
	Syn Bowl Mill							EMT320	EMT460	EMT680		
Sogelub (Belgium)	SOG Synthogear (viscosity grades unknown)											
Summit	Syngear SH		----	----	----	1015	1022	1032	1046	1068	1100	PAO
	Syngear PG		----	----	----	----	220	320	460	680	----	PAG
Superior Ind.	Ultra-Matic Syn EP Gear		S-75	S-80		S-75/90	S-80/90		S-140	S-250		Diester
Taylor Petroleum	Emert EP Industrial Gear Lube					150	220	320	460			
Texaco	Pinnacle EP		----	----	----	150	220	320	460	680	----	PAO
Total	Carter SY						220	320	460			PAG
Tribology T-L	T(ISO Grade) SP Gear		----	----	100	150	220	320	460	680	----	PAO

	Series Name	ISO 46	ISO 68	ISO 100	ISO 150	ISO 220	ISO 320	ISO 460	ISO 680	ISO 1000	Remarks
Tri State Indust.	Syn Gear DE			100	150	220	320	460			Diester
Itrachem	Omnigear EP	----	68	100	150	220	320	460	680	----	PAO
	Chemlube		80W		80W-90	140	150	250			Ester
Ultramar (Canada)	Emgard Syn. WGL				150	220	320	460			Cognis product
(subsidiary Valero)	Emgard Syn IND-EP				150	220	320	460			Cognis product
Valvoline	SynGard G	----	----	----	150	220	320	460	680	----	
Veloil (Thailand)	Indpro Syngear EP		68	100	150	220	320	460	680		
Verkol (Spain)	Corvus EP				150	220	320	460			
	Patela				150	220	320	460		1000	PAG
Wallover	WOCO SGO			----	150	220	320	460			PAO
Whitmore	Decathalon HD	----	----	----	150	220	320	460	680	1000	PAO
	Decathalon F						320				PAO
Yale Selco (India)	Selco SF-400						320		680		
76 Lubricants	Triton Syngear	----	----	----	4EP	5EP	----	7EP	----	----	PAO

* Southeast Oil & Grease

Conoco SynXPA H-100, H-200, H-300, H-500, H-700 are ISO 2100, 500, 7300, 11000 and 25000, respectively, EP ester gear oils.

Keystone – KSL Gear Lube 150, 220, 460 replaces KSL 365, 366, 367 respectively & Keygear 150, 220, 460 replaces Keygear 90, 110, 140 respectively

Mobil – also Mobilgear SHC 22M & 46M, which are ISO 23,000 & 46,000 respectively

Note: where dashes are show, those ISO viscosity grades are not marketed.

Notes, disclaimer, and copyright:

1. The intention of this study was to list only finished synthetic lubricants made from Group IV or Group V base oils; a few of the above, unknown to our knowledge, may possibly be made from Group III base oils, or those where specifically noted.
2. All the above lubricants are full synthetics; none are semi-synthetic or para-synthetic.
3. A few of the above listed lubricants may no longer be marketed, but were intentionally listed so that the user of these charts could determine a suitable replacement for an obsolete lubricant.
4. Disclaimer: every effort was taken to ensure that these charts are as accurate as possible; however, we are not liable for any errors or inaccuracies. LubriTec will not be responsible for any decisions made as a result of the information provided above.
5. **LubriTec is the owner of copyright, database rights and all intellectual property rights of these charts; it is forbidden to copy (except for one personal use), modify, distribute, or re-transmitte in total or any part thereof, without the prior written consent of LubriTec.**

Additions and modifications are requested from the technical staff of the above listed lubricant marketers. These modifications will then be incorporated into updated charts and presented in another series after this series is complete.

© Copyright 2005 Lubritec All Rights Reserved (refer to Note no. 5 above)

Lubrication Technologies
Houston, TX 77024

www.lubritec.biz
93/626/10/05