

Lubrication Technologies, Inc.

Synthetic Industrial Lubricant Cross Reference Chart Series

Synthetic Industrial E. P. Gear Lubricants

| Series Name | ISO 32 | ISO 46 | ISO 68 | ISO 100 | ISO 150 | ISO 220 | ISO 320 | ISO 460 | ISO 680 | ISO 1000 | Remarks | |
|------------------------------------|-------------------------------|--------|--------|---------|---------|---------|---------|---------|---------|----------|-----------------|---------|
| AGMA Grade | 1EP | 2 EP | 3 EP | 4 EP | 5 EP | 6 EP | 7 EP | 8 EP | | | | |
| Acculube | see Simmons Synthetics below | | | | | | | | | | | |
| Addinol (Germany) | Eco Gear S | | | 100 | 150 | 220 | 320 | 460 | 680 | | | |
| | Eco Gear S-T | | 68 | | | | | | | | -50C Pour Point | |
| | Poly Gear PG | | | | | 220 | 320 | 460 | 680 | | PAG | |
| | Gear Oil CKT | | 68 | 100 | | 220 | 320 | 460 | | | PAO | |
| Agean Mrn (Greece) | Alfasynth Gear 220 | | | | | (220) | | | | | PAO | |
| Agip (Italy) | Blasia S | | | | 150 | 220 | 320 | | | | PAO | |
| | DT SINT | | 68 | 100 | 150 | 220 | 320 | 460 | 680 | | | |
| Alithicon | SGO Enclosed Gear Oil | | | 100 | 150 | 220 | 320 | 460 | | | | |
| Allegheny Petrol. | Altra SHL Gear EP | 46 | 68 | 100 | 150 | 220 | 320 | 460 | 680 | 1000 | | |
| Aluchem (Italy) | Alusynt X-EP | | 68 | 100 | 150 | 220 | 320 | 460 | 680 | 1000 | | |
| | Alusynt PSL | | | 100 | 150 | 220 | 320 | 460 | 680 | 1000 | PAG | |
| Amalie | Synthetic Industrial Gear Oil | | | | | 220 | 320 | 460 | 680 | 1000 | | |
| American Agip | Syngear EP | ---- | ---- | 100 | 150 | 220 | 320 | 460 | ---- | ---- | PAO | |
| American Chem. Technologies | EcoGear | | EG68 | EG100 | EG150 | EG220 | EG320 | EG460 | | | | |
| American Lubr. | Syn EP Gear | | | | 100 | 150 | 220 | 320 | 460 | | PAO | |
| American Oil & Supply | PAO Synthetic EP Gear Oil | | 68 | 100 | 150 | 220 | 320 | 460 | 680 | | PAO | |
| American Synthol | Amerilube SGL | | 68 | 100 | 150 | 220 | 320 | 460 | 680 | | | |
| AMSOIL | <u>SG seriesa</u> | | | SGK | SGL | SGM | SGN | SGO | SGP | SGQ | PAO | |
| Anderol (Chemtura) | ----- | | | | | 4220 | 4320 | 4460 | 4680 | 4999 | PAO | |
| | | | | | 5150 | 5220 | 5320 | 5460 | 5680 | | PAO | |
| | | | | | 7150 | 7220 | | 7460 | | | PAG | |
| | (#) XEP | 4032 | 4046 | 4068 | 4100 | 4150 | 4220 | 4320 | 4460 | 4680 | 4111 | PAO |
| | (#) XEP | | | | | | 5220 | 5320 | 5460 | | | PAO |
| | (#) XEP | ---- | ---- | ---- | 2150 | 2220 | 2320 | ---- | ---- | ---- | | Diester |
| Anglomoil (Australia) | Indsyn EP Gear Oil | | | | 150 | 220 | 320 | 460 | 680 | | PAO | |
| 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 ESG | | | 100 | | 220 | 320 | 460 | | | PAO | |
| | Degol BMB | 46 | | 100 | | 220 | 320 | 460 | 680 | 1200 | Silicone | |

| | Series Name | ISO 32 | ISO 46 | ISO 68 | ISO 100 | ISO 150 | ISO 220 | ISO 320 | ISO 460 | ISO 680 | ISO 1000 | Remarks |
|--------------------------------|---|--------|--------|--------|---------|---------|---------|---------|---------|---------|----------|------------------------------|
| Aral (cont) | Degol BG | | 46 | 68 | 100 | 150 | 220 | 320 | 460 | 680 | | Silicone |
| | Degol BG plus | | | | 100 | 150 | 220 | 320 | 460 | 680 | | Silicone |
| Aztec (UK) | Syngear | | 46 | 68 | 100 | 150 | 220 | 320 | 460 | 680 | | PAO |
| | Synthetic Gear Oil W | | | | 100/150 | | | | | | | PAG |
| AXCL Lubes (UAE) | Synthetic Industrial Gear Oil | | | | | 150 | 220 | 320 | 460 | 680 | | |
| BASF | see Cognis | | | | | | | | | | | |
| Baum's Castorine | Tena-Film EP | | | | 500 | 700 | 1000 | 1400 | | | | |
| Bechem (Germany) | Berusynth EP | | | | 100 | 150 | 220 | 320 | 460 | 680 | 1000 | |
| Bel-Ray | Synthetic Gear Oil | | | | | 150 | 220 | 320 | 460 | 680 | 1000 | PAO/Ester |
| Benz Oil | Syn-Tech PAO | | ---- | 68 | 100 | 150 | 220 | 320 | 460 | 680 | ---- | PAO |
| Boss Lubr (Canada) | Synthetic EP | | | | 100 | 150 | 220 | 320 | 460 | 680 | | |
| BP | Enersyn SG-XP | | | | | | 220 | | 460 | | | PAG |
| | Enersyn EP XF | | | | | | 220 | | | 680 | | PAO |
| | Enersyn HTX | | | | | 150 | 220 | 320 | | | | PAO |
| | Also see Castrol AlphaSyn for BP Marine | | | | | | | | | | | |
| BVA | SHP-29 | | | | | 150 | 220 | 320 | 460 | | | PAO |
| C&C Oil | Duration Syn EP Gear Oil | | | | 100 | 150 | 220 | 320 | 460 | | | |
| Caltex | Meropa Synthetic EP | | | | | | 220 | 320 | | | | PAO/Ester |
| | Synthetic Wheel Motor EP | | | | | | | | 2961 | 2962 | | for GE Electric Wheel Motors |
| Cam2 | Synthetic EP Industrial Gear Lube | | 68 | | 100 | 150 | 220 | 320 | 460 | 680 | 1000 | |
| Castrol | Isolube EP | | 46 | 68 | 100 | 150 | 220 | 320 | 460 | ---- | ---- | Group III Base Oil |
| | Alphasyn PG | | | | | 150 | 220 | 320 | 460 | | | PAG |
| | Alphasyn EP | | | | | 150 | 220 | 320 | 460 | 680 | | PAO |
| | Alphasyn HG | | | | | 150 | 220 | 320 | 460 | | | 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 |
| Champion | SynGold EPG | | 68 | | 100 | 150 | 220 | 320 | 460 | 680 | | API GL-5 level |
| Chemtool | EP Synthetic Gear Lubricant | | 68 | | 100 | 150 | 220 | 320 | 460 | | | PAO |
| Chevron | Tegra Synthetic Gear | | ---- | ---- | ---- | 150 | 220 | 320 | 460 | 680 | ---- | PAO |
| | Synthetic Wheel Motor Lubricant EP | | | | | | | | 460 | 680 | | for GE Electric Wheel Motors |
| | Pinnacle Marine Gear | | | | | | 220 | | | | | PAO/Diester |
| Chevron Europe | Synlube CLP | | | | | 150 | 220 | | | | | PAG |
| | Synlube WS | | | | | 150 | 220 | 320 | | | | |
| | Pinnacle WM | | | | | | 220 | 320 | 460 | | | 320 for Wind Turbine Gears |
| CITGO | Citgear Syn EP Gear Lubricant | | ---- | 68 | 100 | 150 | 220 | 320 | 460 | 680 | ---- | PAO |
| | Citgear Synthetic PAG Gear Fluids | | | | | 100 | 150 | 220 | 320 | 460 | | PAG |
| Coastal Blend & Pkg | Syn Gear Oil | | | 68 | 100 | 150 | 220 | 320 | 460 | ---- | 1000 | PAO, see Irving below |
| Cognis (BASF) | Emgard IND-EP | | ---- | ---- | ---- | 150 | 220 | 320 | 460 | 680 | ---- | |
| | Emgard EP | | ---- | ---- | ---- | 150 | 220 | 320 | 460 | 680 | ---- | |
| | Emery | | ---- | ---- | ---- | 2825 | 2826 | 2827 | 2828 | 2829 | ---- | |
| | Breox IL SW | | | | | | 150 | 220 | 320 | 460 | | PAG |

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|-----------------------------------|------------------------------|----------------|--------|--------|---------|---------------|------------------|---------|---------|---------|----------|----------------------------|
| Cognis (cont) | Breox SL | | | | | | | | | | | PAG, water soluble |
| | Worm Gear Lubricant 65 | | | | | | | | | | | PAG |
| Compagnia Italiana (Italy) | Molyguard Gear Synt | | 46 | 68 | 100 | 150 | 220 | 320 | 460 | 680 | 1000 | |
| Conoco | see Phillips 66 below | | | | | | | | | | | |
| Cougar (UK) | Series 3000 PA | | | | | | | | | | | |
| | Series 3500 PG | | | | | | | | | | | |
| | Series 3900 MP | | | | | | | | | | | |
| CPI | 4617- | | | | | 150 | 220 | 320 | 460 | | | PAO |
| D-A | GearSyn EP | | | 68 | 100 | 150 | 220 | 320 | 460 | | | |
| Darmex | ----- | | | | 75/90EP | 75/90EP | 90EP | 9140EP | 140EP | | | |
| David Weber | Syngear EP | | | | 100 | 150 | 220 | 320 | 460 | | | PAO |
| Dow | UCONALL | 32 | 46 | 68 | | 150 | 220 | | 460 | | | 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 | |
| Emka (Germany) | Indus PG | | 46 | 68 | 100 | 150 | 220 | 320 | 460 | | | PAG |
| ENOC (UAE) | Reduct SH | | | 68 | 100 | 150 | 220 | 320 | 460 | 680 | 1000 | PAO |
| | Reduct PG | | | | | | 220 | 320 | 460 | | | PAG |
| Eurol (Netherlands) | Syntan EP | | | | | 150 | 220 | | 460 | | | PAG |
| Exxon | Spartan Synthetic EP | | ----- | ----- | 100 | 150 | 220 | 320 | 460 | 680 | 1000 | PAO, no longer marketed |
| | See Mobil below | | | | | | | | | | | |
| Falk/Rexnord | GMax 6000 | | | | | (132 cSt@40C) | | | | | | PAG |
| Frontier | All Syn Gear FS212 | 32 | | 68 | 100 | 150 | 220 | 320 | 460 | 680 | 1000 | PAO |
| | All Syn FS228 | 32 | 46 | 68 | 100 | 150 | 220 | 320 | 460 | 680 | 1000 | |
| Fuchs (Germany) | Renolin Unisyn CLP | | | | | | 220 | 320 | 460 | | | PAO |
| | Renolin PG | | | | | | 220 | 320 | 460 | | | PAG |
| Gulf Oil Ltd | Synthetic Gear | | | | | 150 | | | 460 | | | PAG |
| | EP Lubricant SY | | | | 100 | 150 | 220 | 320 | 460 | 680 | 1000 | PAO |
| Habot (So. Africa) | H-3000 series | H-3022 (32/46) | | H-3033 | H-3044 | H-3055 | H-3066 (220/320) | | H-3088 | | | |
| H&B Industries | HB-1228 Syngear | 32 | 46 | 68 | 100 | 150 | 220 | 320 | 460 | 680 | 1000 | PAO |
| | HB-1277 Syngear | | | | | SH-1015 | SH-1022 | SH-1032 | SH-1046 | SH-680 | SH-1000 | |
| Hicks Oil | Venom Synthetic GL-2 EP G.O. | | | 68 | 100 | 150 | 220 | 320 | 460 | | | |
| Huskey | SGL-800 series | 32 | 46 | 68 | 100 | 150 | 220 | 320 | 460 | 680 | ----- | PAO |
| Idemitsu Kosan (Japan) | Daphne Alpha Gear | 32 | 46 | 68 | 100 | 150 | 220 | 320 | ----- | | | |
| | Daphne Alpha Worm | | | | | | | 320 | 460 | | | |
| Igol (France) | Synarok | | | | | | | | | | | PAG |
| Ind. Oils Unltd | Syngear G- | | | | 100 | 150 | 220 | 320 | 460 | | | |
| Industri-Lube | SGO | | ----- | 68 | 100 | 150 | 220 | 320 | 460 | 680 | ----- | |
| Igol (France) | Synarok GY | | | | | | | | | | | PAG |
| | Synarok Synth | | | | | | | | | | | |
| Irving Oil | Syn Gear Oil | | | 68 | 100 | 150 | 220 | 320 | 460 | ----- | 1000 | PAO, see Coastal B&P above |
| ISEL Inc. | EP Synthetic Gear Lubricant | | | | | | | | | | | |
| 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 EP | | ----- | 68 | 100 | 150 | 220 | 320 | 460 | 680 | 1000 | PAG |
| | Klubersynth EG 4- | | ----- | ----- | 100 | 150 | 220 | 320 | 460 | 680 | ----- | PAO |
| | Klubersynth GH 6- | | ----- | 80 | 100 | 150 | 220 | 320 | 460 | 680 | 1000 | PAG |

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|--|--|--------|---------|-----------------|---------|---------|---------|---------|---------|---------|----------|---|
| Kluber (cont) | Klubersynth GEM 4- | | 32N-46N | 68N | 100N | 150N | 220N | 320N | 460N | 680N | | |
| Kost | KOSTGard SynGard EP | | | 68 | 100 | 150 | 220 | 320 | 460 | 680 | | |
| Leahy-Wolf | Synmaster | | | | | EP4 | EP5 | EP6 | EP7 | | | PAO |
| Lee Helms | Triden SynGear SHF 32 | | 46 | 68 | 100 | 150 | 220 | 320 | 460 | | | |
| Leprinxol (Germany) | PG GK Synth | | 46 | 68 | 100 | | 220 | | | 680 | | PAG |
| LuBest/Momar | Gear Oil | | | | EP3 | EP4 | EP5 | EP6 | EP7 | | | PAO |
| LubMarine (Total) | Elf Epona SA | | | | | | 220 | 320 | | | | PAO |
| Lubricants USA | see Total below | | | | | | | | | | | |
| Lubrication Engrs. | Monolec | | ---- | ---- | ---- | ---- | 9220 | 9320 | 9460 | ---- | ---- | PAO |
| | SYNOLEC Gear Lubricant | | | | | 9815 | 9822 | 9832 | 9846 | | | |
| | SYNPAG | | | | | | 9705 | 9706 | 9707 | | | PAG |
| Lubright (Malaysia) | Syn EP Industrial Gear Oil | | | | 100 | 150 | 220 | 320 | 460 | 680 | | |
| LUBRIPLATE | Synlube HD | ---- | ---- | ---- | ---- | 150 | 220 | 320 | 460 | 680 | ---- | PAO |
| Lubrax/Lubritene (South Africa) | Lubrene GO Syn | | | | | | | | | | 1000 | |
| Maxol (Ireland) | Synthetic Gear Oil W (viscosity unknown) | | | | | | | | | | | PAG |
| 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 |
| Millers Oils (UK) | Millgear SHC 32 | 32 | 46 | 68 | 100 | 150 | 220 | 320 | 460 | ---- | 1000 | PAO |
| | Millgear SY | | | | | 150 | 220 | 320 | 460 | | | PAG |
| Mobil | Mobilgear SHC | | ---- | ---- | ---- | 150 | 220 | 320 | 460 | 680 | 1000 | PAO, see below |
| | Mobilgear SHC | | | | | | | XMP | | | | PAO, see below |
| | Glygoyle | | | 68 | 100 | 150 | 220 | 320 | 460 | 680 | 1000 | PAG |
| | 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 |
| Neste Oil (Finland) | Vaihteisto S | | | 68 | 100 | 150 | 220 | | | | | |
| Nippon Oil | Bonnoc AX | | | | | | | | | | | PAO |
| Nu-Tier | GulfSyn EP Gear | | | 68 | 100 | 150 | 220 | 320 | 460 | 680 | | PAO, Gulf brand |
| OptiDyn | OPGL | | | | | | 220 | 320 | 460 | | | |
| Orelube | | | | | | OL-150 | OL-220 | OL-320 | OL-460 | OL-680 | | |
| OMV (Austria) | OMV gear PG | | | | | | 220 | | 460 | | | PAG |
| | OMV gear SHG | | | 68 | 100 | | 220 | | | | | PAO |
| Pacer | SGO | | | | | 704 | | 706 | | 708 | | PAO |
| Panolin (Switzerland) | EP Gear Synth | | | | 100 | 150 | 220 | 320 | 460 | | | |
| Pennzoil | Super Maxol S | | ---- | 68 | 100 | 150 | 220 | 320 | 460 | ---- | ---- | PAO |
| Petro-Canada | Enduratex Synthetic EP | | ---- | ---- | ---- | 150 | 220 | 320 | 460 | ---- | ---- | PAO |
| | Ultima Synthetic EP | | ---- | ---- | ---- | 150 | 220 | 320 | 460 | ---- | ---- | Obsolete, replaced by Enduratex Synthetic |
| | Harnex Wind Turbine Gear Oil | | | | | | | 320 | | | | PAO, for Wind Turbines |
| Petrofer (Turkey) | Petrogear EPIGO PAG | | | | | | | | | | | PAG |
| Petronas (Malaysia) | Gear Syn IG 32 | 32 | 46 | 68 | 100 | 150 | 220 | 320 | 460 | 680 | 1000 | PAO |
| Petron | Petro Lube 700 series | | | | | 704 | 705 | 706 | 707 | 708 | 708A | |

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| Petron Plus | PAO Ind. Gear Oil | | 51072 | 51074 | 51076 | 51078 | 51080 | 51082 | 51084 | 51086 | 51088 | PAO |
| (prev Petronomics) | PAO HD Ind. Gear Oil | | | | | 51092 | 51094 | 51096 | 51098 | 51101 | 51102 | PAO |
| | PAO Gear & Bearing Oil | | 51122 | 51124 | 51126 | 51128 | 51130 | 51132 | 51134 | | | PAO |
| | Polyglycol Gear & Bearing Oil | | | 51390 | 51392 | 51394 | 51396 | 51398 | | | | PAG |
| | PAO Ind. Gear Oil | | 55160 | 55162 | 55164 | 55166 | 55168 | 55170 | 55172 | | 55174 | PAO |
| | PAO Low/High Temp Gear Oil | | 55346 | 55348 | 55350 | 55352 | 55354 | 55356 | 55358 | | | PAO |
| | PAO Low Temp Oil | | | 57202 | 57204 | 57206 | 57208 | 57210 | | | | PAO |
| | Polyglycol Gear Oil | | | | | | 58270 | 58272 | 58274 | 58278 | | PAG |
| Phillips 66 | Syncon EP Gear Oil | | | 68 | 100 | 150 | 220 | 320 | 460 | 680 | | PAO |
| | Syncon EP Plus Gear Oil | | | | | 150 | 220 | 320 | 460 | 680 | | PAO, High VI |
| | Syncon Mist Oil | | | | 100 | | | | | | | PAO, Mist Lube Systems |
| | Syncon Premium EP Gear Oil | | | | | | | 320 | | 680 | | PAO, GE Wheel Motors |
| | Syncon WTL | | | | | | | 320 | | | | PAO, Wind Turbines |
| PICO Chemical | Syn GO EP | | | | 100 | 150 | 220 | 320 | 460 | | | |
| Primrose | Syn-O-Gen 747-S | | | | ---- | 150 | 220 | 320 | 460 | 680 | 1000 | PAO, also ISO 1500 |
| Prolab | Monogear Synthetic | | | | | 150 | 220 | 320 | 460 | 680 | | PAO |
| QALCO (Qatar) | Syntech GL | | | | | | | | 460 | 680 | | PAG |
| Quaker Chemical | Mine Tsch Synthetic G.O. EP | | | | | | 220 | 320 | 460 | | | PAO |
| Raloy (Mexico) | PG Gear | | | | | | | | | | | PAG |
| Ravenol (Germany) | Getriebeoel PAO CLP | | | 68 | 100 | 150 | 220 | 320 | 460 | | | PAO |
| Repsol-YPF (Spain) | Super Tauro PAG | | | | | 150 | 220 | 320 | 460 | 680 | 1000 | PAG |
| | Super Tauro Sintetico | | | | 100 | 150 | 220 | 320 | 460 | | | PAO/Ester |
| Rock Valley | RV Synthetic Gear Oil | | | | | | 220 | | 460 | | | |
| Rosemead | Betalube E | | | | | 150-P | 220-P | 320-P | 460-P | 680-P | | |
| 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 Full Syn G.L. | | ---- | 68 | 100 | 150 | 220 | 320 | 460 | 680 | 1000 | PAO, contains moly |
| Selco (India) | SF 400 | | | | | 150 | 220 | 320 | 460 | | | PAO |
| Sentinel | S- | | S-75 | S-80 | S-75/80 | S-75/90 | S-90 | S-90/140 | S-140 | S-250 | | PAO |
| Sentinel Canada | SenSyn 1002PD, 1005PD, 1007PD, 1008PD (viscosities unknown) | | | | | | | | | | | PAO/Diester |
| | SenSyn 5600 Mild EP series (ISO VG 150 to 1000) | | | | | | | | | | | PAO, Mild EP |
| | SenSyn PG EP series (ISO VG 150 to 1000) | | | | | | | | | | | PAG |
| Setral (Germany) | Syn Gear EP series | | | | | | | | | | | |
| Shell | Omala S4 GX | | ---- | 68 | 100 | 150 | 220 | 320 | 460 | 680 | ---- | PAO |
| | Omala S4 | | | | | | 220 | 320 | 460 | 680 | | |
| | Omala HD | | | | 100 | 150 | 220 | 320 | 460 | 680 | | PAO |
| | Tivela S | | ---- | ---- | ---- | | 220 | 320 | 460 | 680 | ---- | PAG |
| Shell Canada | Tivela S | | | | | | 220 | | 460 | | | PAG |
| | Hyperia S | | | | | | 220 | | 460 | 680 | | Approved for GE Wheelmotors |
| Simmons Synthetics | ALEP 1000 series | 10032 | | 10068 | 1010 | 1015 | 1022 | 1032 | 1046 | 1068 | 1100 | PAO |
| | ALEP 6000 series | 6032 | 6046 | 6068 | 6100 | 6150 | 6220 | 6320 | 6460 | 6680 | 61000 | PAO |
| | ALPG | | | | | | 220 | 320 | 460 | 680 | | PAG |
| Sinclair | Dyno-Tech EP | | ---- | 68 | ---- | 150 | 220 | 320 | 460 | 680 | ---- | |
| Sinopec (China) | Great Wall Fully Syn HD Industrial Gear | | | | | | 220 | 320 | | | | PAO |
| SLFi | SGL | | | 68 | 100 | 150 | 220 | 320 | 460 | 680 | | |
| | Syn Bowl Mill | | | | | | | EMT320 | EMT460 | EMT680 | | |

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|-------------------------------|---|--------|---------|---------|---------|---------|----------|---------|---------|---------|----------|-------------------------|
| Sogelub (Belgium) | SOG Synthogear (viscosity grades unknown) | | | | | | | | | | | |
| Statoil (Norway) | LoadWay PG | | | | | 150 | 220 | ----- | 460 | 680 | | PAG |
| | Mereta | | | | | | | | | 680 | 1000 | PAO |
| Summit (Kluber NA) | Syngear SH | ----- | ----- | 1010 | 1015 | 1020 | 1032 | 1046 | 1068 | 1100 | | PAO |
| Sun Belgium | Duragear | | | | 150 | 220 | 320 | 460 | | | | PAO |
| Superior Ind. | Ultra-Matic Syn EP Gear | S-80 | S-75/80 | S-75/90 | S-80/90 | S-90 | S-85/140 | 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, no longer marketed |
| TEXASTEAL | Full Synthetic EP Industrial Gear Oil | | | | 100 | 150 | 220 | 320 | 460 | 680 | 1000 | |
| Thermal-Lube | XL7316 | 32 | 46 | 68 | 100 | 150 | 220 | 320 | 460 | 680 | 1000 | PAO |
| Total | Carter D | ----- | ----- | ----- | 150 | 220 | 320 | 460 | 680 | 680 | | Ester |
| | Carter SP | ----- | 68 | 100 | 150 | 220 | 320 | 460 | 680 | 1000 | | PAO |
| | Carter SY | ----- | ----- | ----- | 150 | 220 | 320 | 460 | 680 | ----- | | PAG, worm gears |
| | Carter SH | ----- | ----- | ----- | 150 | 220 | 320 | 460 | 680 | 1000 | | PAO |
| Tribology | T(ISO Grade) EP Gear Oil | ----- | ----- | ----- | 150 | 220 | 320 | 460 | 680 | 1000 | | PAO |
| Tech-Lube | | | | | | | | | | | | |
| Tribospec (Canada) | Sunoco Challenge EP | | 68 | 100 | 150 | 220 | 320 | 460 | 680 | | | PAO, Sunoco brand |
| Tri State Indust. | Syn Gear DE | | | 100 | 150 | 220 | 320 | 460 | | | | Diester |
| TwinStar | Full Syn Gear Oil | | | | 150 | 220 | | 460 | 680 | 1000 | | PAO |
| Ultrachem | Omnigear EP | ----- | 68 | 100 | 150 | 220 | 320 | 460 | 680 | ----- | | PAO |
| | Chemlube | | 80W | | 80W-90 | 140 | 150 | 250 | | | | Ester, GL-5 |
| | Ultrachem EP | | 68 | 100 | 150 | 220 | 320 | 460 | 680 | | | PAO |
| | Ultrachem PGWS | | 68 | 100 | 150 | 220 | 320 | 460 | | | | PAG |
| Ultramar (Canada) | Emgard Syn. WGL | | | | 150 | 220 | 320 | 460 | | | | Cognis product |
| (subsidiary Total) | Emgard Syn IND-EP | | | | 150 | 220 | 320 | 460 | | | | Cognis product |
| United Oil (Australia) | MAXIS3 Synthetic Ind Gear Oil | | | 68 | 100 | 150 | 220 | 320 | 460 | | | PAO |
| Valvoline | SynGard G | ----- | ----- | ----- | ----- | ----- | ----- | 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 |
| Wipa Chem (Belgium) | Ecosyn BGE EP | 32 | 46 | 68 | 100 | 150 | 220 | 320 | 460 | 680 | 1000 | Ester |
| | Ecosyn BGP EP | 32 | 46 | 68 | 100 | 150 | 220 | 320 | 460 | 680 | | PAO/Ester |
| Wunsch (Germany) | Synthetik Fluid SG-220 | | 68 | 100 | 150 | 220 | | 460 | | | | PAG |
| | Synthetik Fluid SGW | | | 100 | 125 | 220 | | | | | | PAG |
| Yale Selco (India) | Selco SF-400 | | | | | | | 320 | | 680 | | |
| 76 Lubricants | Syncon EP Plus Gear Oil | | | | | 150 | 220 | 320 | 460 | 680 | | PAO, High VI |
| | Syncon Mist Oil | | | 100 | | | | | | | | PAO, Mist Lube Systems |
| | Syncon Premium EP Gear Oil | | | | | | | 320 | | 680 | | PAO, GE Wheel Motors |
| | Syncon WTL | | | | | | | 320 | | | | PAO, Wind Turbines |
| 77 Lubricants (UK) | Industrial Gear Oil Synth | | | 100 | 150 | 220 | 320 | | | | | PAO |

Special note:

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

Mobil – also Mobil SHC Gear 1500, 3200, and 6800 which are ISO 1500, 3200, and 6800 respectively

Notes, disclaimer, and copyright:

1. The original intention of this study was to list only finished synthetic lubricants made from Group IV and/or Group V base oils; since the many “synthetic” oils are now blended with all or a large portion of Group III base oils, and moving continually even more in that direction, we are now including these in our charts.
2. All the above lubricants are full synthetic; non are para-synthetic or semi-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 a recently obsoleted lubricant.
4. This chart is only intended as a list of similar synthetic lubricants. Lubrication Technologies, Inc. does not intend to represent that all the lubricants listed herein are necessarily of the same quality or offer the same level of performance in all instances. Quality and performance can vary.
5. Disclaimer: every reasonable effort was taken to insure that these charts are as accurate as possible; however, we will not be responsible any liability for any errors or inaccuracies. Lubrication Technologies, Inc. will not be held responsible for any decisions made as a result of the information provided above.
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