



# LUBCON® High-Performance H1 Food Grade Lubricants



Application	Products	Base Oil / Thickener	Base Oil Viscosity at 40 °C	Temperature Range	Features & Benefits
<b>▶ Bearings / Guides</b>					
Multipurpose Grease	Turmosynthgrease AL 4602 Turmosynthgrease AL 2502 Turmosynthgrease AL 1002	White oil/al-complex soap	460 mm <sup>2</sup> /s 250 mm <sup>2</sup> /s 100 mm <sup>2</sup> /s	-20 °C up to +160 °C -25 °C up to +120 °C -25 °C up to +120 °C	Excellent performance for applications with low or medium temperatures and speeds. Good adhesive properties and water resistance.
High Performance Synthetic Grease	Turmosynthgrease ALN 8002 Turmosynthgrease ALN 4602 Turmosynthgrease ALN 2502 PM Turmosynthgrease ALN 1002 * (clean)	PAO/polyurea al-special soap	800 mm <sup>2</sup> /s 460 mm <sup>2</sup> /s 250 mm <sup>2</sup> /s 100 mm <sup>2</sup> /s	-30 °C up to +180 °C -30 °C up to +180 °C -30 °C up to +160 °C -40 °C up to +140 °C	Modern high performance polyurea grease for demanding applications (high speed, high temperature). Extended grease life due to high thermal and mechanical stability. Especially suitable for bearings which are lubricated for life. On request, also available with antimicrobial additives to prevent growth of pathogenic germs in the grease.
High Performance EP Grease	Turmosynthgrease CSX 3002 EP Turmosynthgrease CSX 802 EP	SHC	320 mm <sup>2</sup> /s 80 mm <sup>2</sup> /s	-40 °C up to +180 °C -55 °C up to +160 °C	Excellent mechanical stability and optimum performance under extreme operating conditions. Outstanding water resistance, excellent anti-corrosion and anti-wear properties
Low Temperature Grease	Turmosynthgrease LT 300	PAO/polyurea al-special soap	28 mm <sup>2</sup> /s	-54 °C up to +120 °C	Low temperature grease, suitable down to -54 °C, with good wear protection, high metal affinity and long service life.
High Temperature Grease	Turmotemp® II/400 RS 2	PFPE/PTFE	550 mm <sup>2</sup> /s	-30 °C up to +260 °C	Extreme high temperature grease with excellent ageing and oxidation stability. Non-flammable and neutral to most elastomers.
<b>▶ Gears</b>					
Open Gear Grease	Turmosynthgrease ALN 8001	PAO/polyurea al-special soap	800 mm <sup>2</sup> /s	-30 °C up to +180 °C	Excellent adhesive properties and high load carrying capacity. Suitable for the lubrication of sliding tracks and open gears.
Semifluid Gear Grease	Turmosynthgrease ALN 1001/00 (also available in higher ISO VG)	PAO/polyurea al-special soap	100 mm <sup>2</sup> /s	-40 °C up to +140 °C	Excellent wear protection, wide temperature range and long service life. Good alternative to gear oils in applications where leakage is a risk.
Multipurpose Gear Oil	Turmosynth VG Series	White oil blended with synthetic oil	46 - 1500 mm <sup>2</sup> /s	-10 °C up to +100 °C	Multipurpose gear and lubricating oil. Highly effective additive package for superior performance.
High Performance Synthetic Gear Oil	Turmosynthoil GV Series * (clean)	PAO	15 - 1000 mm <sup>2</sup> /s	-40 °C up to +140 °C	Fully synthetic gear oil with wide temperature range and long service life. On request, also available with antimicrobial additives to prevent growth of pathogenic germs and mould fungus in the oil.
Worm, Bevel Gear and Geared Motor Oil	Turmosynthoil PG Series	Polyglycol	68 - 680 mm <sup>2</sup> /s	-30 °C up to +160 °C	Very good wear protection against sliding friction in worm and bevel gears leads to lower operating temperature and extended service intervals.
<b>▶ Hydraulic Systems</b>					
Multipurpose Hydraulic Oil	Turmosynth VG Series	White oil blended with synthetic oil	10 - 150 mm <sup>2</sup> /s	-10 °C up to +100 °C	Highly effective additive package ensures safe operation in hydraulic systems.
High Performance Synthetic Hydraulic Oil	Turmosynthoil GV Series * (clean)	PAO	15 - 150 mm <sup>2</sup> /s	-40 °C up to +140 °C	Fully synthetic hydraulic oil with wide temperature range and long service life. Also available with antimicrobial additives (clean series).
<b>▶ Chains</b>					
Multipurpose Chain Oil	Turmofluid® LMI 300 **	Synthetic ester	15 mm <sup>2</sup> /s	-10 °C up to +220 °C	Universal chain oil with excellent penetration properties. Leaves dry lubricant film that reduces dust attraction.
Adhesive PTFE Chain Oil	Turmosynthoil 75 TF **	Synthetic ester/PTFE	40 mm <sup>2</sup> /s	-15 °C up to +180 °C	Very adhesive with solid lubricants to protect against wear and corrosion under extreme conditions such as frequent wash downs.
High Viscosity Chain Oil	Turmosynth VG 4800 **	White oil blended with synthetic oil	4800 mm <sup>2</sup> /s	0 °C up to +140 °C	Clear, highly adhesive chain oil with high load carrying capacity. Also suitable for lubrication of open gears.
Low Temperatures Chain Oil	Turmosynthoil GV 32 * (clean)	PAO	32 mm <sup>2</sup> /s	-50 °C up to +140 °C	Developed for use on chains in spiral freezers. Penetrates into the structure of the chain and protects it at lowest temperatures. Also available with antimicrobial additives (clean series).
High Temperature Chain Oil	Turmosynthoil HTC Series	Advanced synthetic ester	70 - 320 mm <sup>2</sup> /s	up to +250 °C	High temperature, solid-free oven chain oil with newly developed combination of anti-oxidation additives. Very low evaporation loss.
Extreme Temperature Chain Oil	Turmosynthoil PG 120 WG	Polyglycol with white solid lubricants	120 mm <sup>2</sup> /s	up to +900 °C	At higher temperatures above +220 °C the oil evaporates and a smooth dry film with lubricating properties up to +900 °C is formed.
<b>▶ Compressors</b>					
Rotary Screw Compressors	Compguard® FG 32 - 68	SHC	32 - 68 mm <sup>2</sup> /s	up to +160 °C	Fully synthetic compressor oils for extended oil change interval of more than 4,000 hours. Reduce friction and operating temperature.
Reciprocating Piston Compressors	Compguard® FG 100	SHC	96.4 mm <sup>2</sup> /s	up to +160 °C	
<b>▶ Vacuum Pumps</b>					
Rotary Vane Pumps	Compguard® VPO 100	PAO	102 mm <sup>2</sup> /s	-30 °C up to +140 °C	Fully synthetic high performance vacuum oil for extended oil change intervals.
<b>▶ Seals</b>					
Multipurpose Grease	Turmosynth 2000	Blend of white and synth. oil/silica gel	6000 mm <sup>2</sup> /s	-20 °C up to +120 °C	Silicone-free, multipurpose seal lubricant. Suitable for usage with the most common seal materials except of EPDM. Available in consistencies NLGI 2 and NLGI 3.
Silicone Grease	Turmsilon® LMI 5000 * (clean)	Silicone oil/PTFE	9000 mm <sup>2</sup> /s (at 25 °C)	-50 °C up to +220 °C	Silicone grease, suitable e.g. for lubrication of filling armatures with EPDM-seals, rubber joints, membranes and lip seals. Also available with antimicrobial additives.
<b>▶ Maintenance</b>					
Silicone Spray	Turmsilon® M 100 **	Silicone oil	270 mm <sup>2</sup> /s	-50 °C up to +220 °C	Release and sliding agent, neutral in colour, odour and taste.
Cleaner & Degreaser	Turmosynth VG 1 (aerosol)	Isoparaffinic HC	-	Room Temperature	Quickly evaporating special cleaner and degreaser particularly suitable to remove oil, grease or wax from tools and components.
Cleaner with Lubricating Properties	Turmosynth VG 2 (aerosol)	Isoparaffinic HC	-	-30 °C up to +60 °C	Cleaner with lubricating properties. Leaves a durable lubricating film, which serves as preservative or improves dismantling of machine parts.
Penetrating Oil	Rapid FG 15 (aerosol)	PAO	15 mm <sup>2</sup> /s	-55 °C up to +100 °C	Multipurpose synthetic penetrating oil, which deeply penetrates, cleans and loosens rusted parts and leaves a durable lubricating film.
<b>▶ Assembly Pastes</b>					
Threads, Bolts, Hinges Guides	Turmosynth TAS white **	White oil with solids/al-complex	80 mm <sup>2</sup> /s	-20 °C up to +900 °C	Metal-free sliding agent/assembly paste with excellent separating properties at high contact pressure and high temperatures. Very good fretting corrosion protection. Excellent lubricity.
<b>▶ Sugar-Dissolving Fluid</b>					
Biodegradable sugar-dissolvent	Elephants milk	White oil	22 mm <sup>2</sup> /s	+10 °C up to +65 °C	Sugar-dissolving lubricant with excellent corrosion protection. Easily cleans sticky deposits and has lubricating properties.

\* with antimicrobial additives \*\* available as aerosol

For product series temperature limits are valid according to the technical data sheet of the lubricant in its specific viscosity. Further LUBCON H1 lubricants are available on request.

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