



Product lines

WIPA CHEMICALS INTERNATIONAL is an independent synthetic lubricant producer and specialist. We supply a wide range of top quality products under the name **ECOSYN LUBRICANTS**.

ECOSYN LUBRICANTS are 100% synthetic. They are specially engineered to protect machine components, reduce emissions, last longer, reduce fuel consumption and prevent environmental pollution. **ECOSYN LUBRICANTS** are designed for severe operating conditions. Our products are clearly superior in extreme applications where high temperatures, high load, flammability and long oil change intervals are overriding factors.

The products in this brochure represent a sampling of our **ECOSYN** products.

Air Compressor Lubricants			
ECOSYN	Base fluid	Viscosity ISO VG	Description
CE Series	Ester	32, 46, 68, 100, 150	Premium ester based lubricants with superior thermal and oxidative stability and no tendency to form sludge or varnish. Recommended for high temperature applications in flooded rotary screw compressors rotary vane compressors, and reciprocating compressors.
CEB Series	Ester	32, 46, 68, 100, 150, 220, 320	Synthetic biodegradable compressor lubricants. Recommended for use in flooded rotary screw compressors, rotary vane compressors, and reciprocating compressors.
CP Series	PAO	32, 46, 68, 100, 150	This widely used air compressor product is a polyalphaolefin and ester based lubricant with excellent corrosion and oxidation protection. Recommended for use in flooded rotary screw compressors, rotary vane compressors, and centrifugal and reciprocating compressors.
CPF Series	PAO	32, 46, 68, 100, 150	NSF H1 registered food grade lubricants with superior oxidative stability and resistance to sludge and varnish. Recommended for use in compressors with incidental food contact requirements.
CS Series	Synthetic	22, 32, 46, 68	A cost effective blend of synthetic base oil and esters with excellent thermal and oxidative stability. They are used successfully for the long term lubrication of screw and centrifugal compressors.
Coolant	Ester	32, 46	Premium ester based lubricants with superior oxidative and thermal stability, antiwear protection and no tendency to form sludge or varnish. Recommended for use in high temperature flooded rotary screw compressors
Coolant PG	PAG/Ester	46	Premium polyalkylene glycol and ester based lubricants with excellent thermal and oxidative stability. Recommended for use in high temperature applications in flooded rotary screw compressors.
Flushing Fluid	Ester		Cleaning fluid for compressors: fast and effective cleaning. Releases contaminants and deposits from components.

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Bearing and Gear Oils			
ECOSYN	Base fluid	Viscosity ISO VG	Description
BGP Series	PAO	68, 100, 150, 220, 320, 460, 680	Synthetic bearing and gear oils with ashless anti-wear and antioxidants. These oils have been designed to provide proper lubrication under hydrodynamic and mild boundary lubrication conditions. They are recommended for gear and bearing systems where moderate loads and high temperatures are expected, including worm gears containing soft metals such as bronze, brass and copper.
BGP EP Series	PAO	68, 100, 150, 220, 320, 460, 680	Extreme pressure and anti-wear gear oils intended for enclosed gears operating under adverse loads and temperatures. These are high quality, extreme pressure PAO gear oils offering exceptional performance in gears and other industrial applications.
BGPF Series	PAO	68, 100, 150, 220, 320, 460, 680	Food grade bearing and gear oils for extreme service conditions. Incidental Food Contact: FDA 21 CFR Title 21, 178.3570, NSF H-1; HACCP DIN 51517 T.3
BGPG Series	PAG	100, 150, 220, 320, 460, 680, 1000	Energy efficient. High thermal stability. Recommended for the use in worm and hypoid gears and in a wide variety of other severe heavy-duty applications: enclosed gear units, highly loaded bearings, plain and roller contact bearings.
		Viscosity SAE	
SAE Series	Ester PAO	90, 140, 75W90, 75W140	Mono and multi grade gear oils, EP/AW. These gear lubricants are proven in extreme environmental conditions and in applications that demand high heat resistance, anti-wear and superior lubricity of enclosed gearboxes: i.e. Spur, Helical, Bevel & Worm Gears Automotive Differential Applications, EP Industrial Applications. API GL-5; DIN 51512

Engine Oils			
ECOSYN	Base fluid	Viscosity SAE	Description
SAE Series	Ester PAO Synthetic	20, 30, 40, 0W20, 0W30, 5W30, 5W40, 10W40, 15W40, 20W50	Four-stroke diesel and gasoline engine oil. Mono and multi grade. All API, ACEA.

Gas Engine Lubricants			
ECOSYN	Base fluid	Viscosity SAE	Description
GE Series	Ester	30, 40	Gas engine oils with very long drain interval and low oil consumption. Results in cleaner engines. OEM released on many engine types and models. Available in 0.0%, 0.4%, 0.6%, 0.8% and 1.0% ash levels.

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High Temperature Lubricants			
ECOSYN	Base fluid	Viscosity ISO VG	Description
TE Series	Ester	46, 68, 100, 150, 220, 320	High temperature lubricant. For e.g. high temperature chains. Up to 210°C
TE S Series	Ester	68, 100, 150, 220, 320	High temperature lubricant. For e.g. high temperature chains. Up to 300°C
TEF Series	Ester	46, 68, 100, 150, 220, 320	Food grade. Incidental Food Contact: FDA 21 CFR Title 21, 178.3570, NSF H-1; HACCP High temperature lubricant. For e.g. high temperature chains. Up to 250°C

Hydraulic Fluids			
ECOSYN	Base fluid	Viscosity ISO VG	Description
HEB Series	Ester	15, 22, 32, 46, 68, 100	Advised for use in applications with severe environmentally conditions (e.g. fire resistance, wide temperature operating range, high pressure), when an environmentally friendly lubricant is required or for use in the food and beverage industries where incidental contact from lubricants may occur. Biodegradable: CEC L-33-A-93 >90%; WHC 1 ISO 6743/4: L-HM, L-HV, DIN 51524/2 HLP Incidental Food Contact: FDA 21 CFR Title 21, 178.3570, NSF H-1; HACCP; ISO 6743/4: L-HM, L-HV DIN 51524/2 HLP
HP series	PAO	15, 22, 32, 46, 68, 100	Advised for use in applications with severe environmentally conditions e.g. hot and cold climates, high pressures. ISO 6743/4: L-HM, L-HV, DIN 51524/2 HLP
HPF Series	PAO	15,22, 32, 46, 68, 100	Food grade. Advised for use in applications with wide temperature operating range and/or with incidental food contact. Incidental Food Contact: FDA 21 CFR Title 21, 178.3570, NSF H-1; HACCP; ISO 6743/4: L-HM, L-HV, DIN 51524/2 HLP

Refrigeration Lubricants			
ECOSYN	Base fluid	Viscosity ISO VG	Description
RCE Series	Ester	22, 32, 46, 68, 100, 150, 170, 220	A combination of high grade synthetic polyol ester (POE) base fluids and specially engineered additive systems. They have been designed specifically for use in refrigeration systems working with hydrofluorocarbons (HFCs) as cooling fluid, like R134a, R404a, R407c, R407f, R410a, R448a, R449a, R507, R1234yf, R1234ze, R23, etc.
RCP Series	PAO	32, 46, 68, 100, 150, 220, 320, 400	ECOSYN RCP is used successfully for the lubrication of refrigeration compressors and heat pumps. ECOSYN RCP is suitable for compressor systems using refrigerants such as ammonia (R717), carbon dioxide (R744), propane (R290) and R22. Food grade: complies with FDA 21 CFR Title 21, 178.3570 H-1

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RCPG Series	PAG	46, 68, 100, 150, 220	Used in stationary refrigeration compressors using refrigerants such as ammonia (NH ₃ , R717) or hydrocarbons such as propane (R290), propylene (R1270), etc. Advantages: <ul style="list-style-type: none"> • Resists hydrocarbon washout/dilution when using hydrocarbon gases • Extended drain life
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Specialties			
ECOSYN	Base fluid	Viscosity ISO VG	Description
Spindlube	PAO	22	Spindle lubricant for textile machinery
IE Series	Ester	5, 15, 32, 68	Bearing and impregnating oils
Pneumalube	PAO, Ester	22, 32	Pneumatic systems lubricant. Standard, Food and Biodegradable

Specialty Gas Compressor Lubricants			
ECOSYN	Base fluid	Viscosity ISO VG	Description
CE Series	Ester	32, 46, 68, 100, 150, 220, 320	Used for light to medium hydrocarbon gases. Good oxidation stability, especially if oxygen is present in the gas stream. High evaporation stability minimizes the oil carryover into the gas stream in comparison to standard mineral oils. Good solvency in applications such as furnace (crack) gas and gas with asphaltene or other polar contaminants.
CPF Series	PAO	32, 46, 68, 100, 150	Chemically inert polyalphaolefin based lubricants. Recommended for use with aggressive gases like ammonia, methylchloride or vinyl chloride. Low pourpoint to start the compressor at low oil temperatures. NSF H1 certified for use in applications with incidental food contact. Excellent water separation. High viscosity index. Compatible with NBR seals.
CPG Series	PAG	46, 68, 100, 150, 220	Used for heavy hydrocarbon gases. High resistance to thinning out by hydrocarbon dilution. Contains additives to protect equipment from wear, H ₂ S corrosion and rust. Low pourpoint for starting at low oil temperatures. Water soluble, but rejects water above 70°C.
CPG WI Series	PAG	46, 68, 100, 150, 220	For light to medium hydrocarbon gases, propane, propylene and butane. May be used in refrigeration applications. Water insoluble.
CPEG Series	PEG	46, 68, 100	Used for heavy hydrocarbon gases. Extremely resist to thinning out by hydrocarbon dilution.
CI	AN	32, 46, 68, 100	Chemically inert to chemical gases of acidic nature. No metallic additives to interfere with catalytic processes. Increased resistance to varnish, carbon and acid formation.
Flushing Fluid	Ester		Cleaning fluid for compressors: fast and effective cleaning. Releases contaminants and deposits from components.

Vacuum Pump Lubricants			
ECOSYN	Base fluid	Viscosity ISO VG	Description
VE Series	Ester	15, 22, 32, 46, 68, 100, 150	Used for the long term lubrication of vacuum pumps for vacuums down to 10 ⁻³ mbar in industrial processes.

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			Offers a high performance protection in extreme conditions: high load and high temperatures, pumping reactive and dirty gases, intermittent operation, extreme environmental conditions (humid, warm and cold climates) and mobile applications. BAM certified for use with pure oxygen and ozone.
VEB Series	Ester	32, 46, 68, 100, 150, Multi	Biodegradable: CEC L-33-A-93 >90%; WHC 1 Used for the long term lubrication of rotary vane and piston type vacuum pumps for vacuums down to 10 ⁻² mbar.
VI Series	AN	32, 46, 68, 100	Chemically inert to chemical gases of acidic nature. Increased resistance to varnish, carbon and acid formation.
VP Series	PAO	32, 46, 68, 100, 150	Used for the long term lubrication of vacuum pumps for vacuums down to 10 ⁻² mbar.
VPF Series	PAO	32, 46, 68, 100, 320	Used in the food and beverage industry, incidental food contact. Complies with FDA 21 CFR title 21, 178.3570 NSF H-1; HACCP. For vacuum down to 10 ⁻² mbar
Flushing Fluid	Ester		Cleaning fluid for vacuum pumps: fast and effective cleaning. Releases contaminants and deposits from components.

Contact

Our technical professionals are ready to assist you with your specific application needs. Special products can be tailor-made to support and meet your requirements. Should you have any questions regarding our products or the suitability of **ECOSYN LUBRICANTS** for a specific application: call or email us today.

ECOSYN LUBRICANTS are produced by:

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WIPA CHEMICALS INTERNATIONAL and **ECOSYN LUBRICANTS**

WIPA CHEMICALS INTERNATIONAL is an independent synthetic lubricant producer and specialist. We supply a wide range of top quality products under the name **ECOSYN LUBRICANTS**.

We closely support our customers with technical and economical lubrication recommendations, solving tribological challenges, setting-up and executing oil analysis programs. Upon our customer's request we offer tailor made solutions as well as private labeling.

We continuously innovate our **ECOSYN LUBRICANTS** in close co-operation with Original Equipment Manufacturers and with our end customers. Our blending plant and main distribution center are located in Evergem, Belgium. Our products are distributed worldwide in packages of 1 L, 5 L, 10 L, 20 L, 200 L, 1000 L and bulk.