



## ECOSYN LUBRICANTS 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.

<b>Compressor Lubricants</b>			
<b>ECOSYN</b>	<b>Base fluid</b>	<b>Viscosity ISO VG</b>	<b>Description</b>
CE Series	Ester	32, 46, 68, 100, 150, 220, 320	For compressors operating at elevated temperatures. Resists sludge and varnish formation. Resists water emulsification and oxidation. Effectively neutralizes acid. Oxidation and chemical resistant. Outperforms specifications: ISO/DP 6521 (DAB DAG) and DIN 51506 (VDL).
CP Series	PAO/Ester	32, 46, 68, 100, 150	General purpose, reduced maintenance. Outperforms specifications: ISO/DP 6521 (DAB DAG) and DIN 51506 (VDL).
CPF Series	PAO	32, 46, 68, 100	Incidental Food Contact: FDA 21 CFR Title 21, 178.3570, NSF H-1; HACCP. Enhanced thermal properties and extended drain cycles. Outperforms specifications: ISO/DP 6521 (DAB DAG) and DIN 51506 (VDL).
CEB Series	Ester	32, 46, 68, 100, 150, Multi	Biodegradable: CEC L-33-A-93 >90%; WHC 1. Extended drain intervals, minimum deposit formation, high temperatures. Outperforms specifications: ISO/DP 6521 (DAB DAG) and DIN 51506 (VDL).
CPG	PAG/Ester	46	Biodegradable: CEC L-33-A-93 >90%; WHC 1.
Flushing Fluid	Ester		Compressor cleaning fluid. Releases contamination from internal parts. Biodegradable.
Pneumalube	PAO, Ester	22, 32	Pneumatic systems lubricant. Standard, Food and Biodegradable.

<b>Vacuum Pump Lubricants</b>			
<b>ECOSYN</b>	<b>Base fluid</b>	<b>Viscosity ISO VG</b>	<b>Description</b>
VE Series	Ester	32, 46, 68, 100, 150	For vacuum down to $10^{-3}$ mbar. Mechanical pumps operating at elevated temperatures. Resists sludge and varnish formation. Resists water emulsification and oxidation. Effectively neutralizes acid. Oxidation and chemical resistant.

VP Series	PAO/Ester	32, 46, 68, 100, 150	For vacuum down to 10 <sup>-3</sup> mbar. Compatibility with elastomers and paints in older machines designed for use with mineral oils.
VPF Series	PAO	32, 46, 68, 100, 320	General use fluid for food processing. Incidental Food Contact: FDA 21 CFR Title 21, 178.3570, NSF H-1; HACCP. For vacuum down to 10 <sup>-3</sup> mbar.
VEB Series	Ester	32, 46, 68, 100, 150, Multi	Designed to minimize environmental impact and to have low environmental persistence. Biodegradable: CEC L-33-A-93 >90%; WHC. For vacuum down to 10 <sup>-3</sup> mbar.
Flushing Fluid	Ester		Vacuum pump cleaning fluid. Internal cleaning of mechanical vacuum pumps. Releases contamination from internal parts.

### Gas Engine Lubricants

ECOSYN	Base fluid	Viscosity SAE	Description
GE Series	Ester	15W40, 20, 25W40, 30, 40	Synthetic gas engine lubricants for the most demanding operating conditions. Available ash compositions: 0.0%, 0.4%, 0.6%, 0.8% and 1.0%.

### Engine Oils

ECOSYN	Base fluid	Viscosity SAE	Description
SAE Series	PAO PAO/Ester Ester	0W30, 5W30, 10W30, 0W40, 5W40, 10W40, 15W40, 20W50, 20, 30, 40	Fully synthetic four-stroke diesel and gasoline engine oils. Mono and multi grade. Outperforms specifications: API SJ/CF, SL, SM, ACEA A3/B4-04, A5/B5 and ACEA C3-04.
2T Series	Ester	-	Synthetic two-stroke engine oils for a wide range of applications. Low ash and ashless. Environment friendly. Burns cleanly. Outperforms specifications: JASO FC/FD, API TC, ISO-L-EGD, TC-W3.

### Bearing and Gear Oils

ECOSYN	Base fluid	Viscosity ISO VG	Description
BGE Series	Ester	22...1000	Synthetic gear oils, Non-EP DIN 51517 T. 3, FZG > 12.
BGE EP Series	Ester	22...1000	Extreme Pressure and Antiwear gear oils DIN 51517 T. 3, FZG > 12.
BGP Series	PAO/Ester	22...680	Synthetic gear oils, Non-EP DIN 51517 T. 3, FZG > 12.
BGP EP Series	PAO/Ester	22...680	Extreme Pressure and Antiwear gear oils DIN 51517 T. 3, FZG > 12.
BGPF Series	PAO	22...680	Incidental Food Contact: FDA 21 CFR Title 21, 178.3570, NSF H-1; HACCP DIN 51517 T. 3, FZG > 12.
		Viscosity SAE	
SAE Series	Ester PAO/Ester	90, 140, 75W90, 75W140	Mono and multi grade gear oils, EP/AW API GL-5; DIN 51512.

Refrigeration Lubricants			
ECOSYN	Base fluid	Viscosity ISO VG	Description
RCE Series	Ester	32, 46, 68	Fully miscible with CFC and HFC mixtures (e.g. R 134a, R 404a).
RCP Series	PAO	32, 46, 68, 100	CFC and HFC (e.g. R12, R 22), ammonia, carbon dioxide, hydrocarbon refrigerant gases.
RCEB	Ester	27	Biodegradable: CEC L-33-A-93 >90%; WHC 1 butane, propane.
RCEN Series	Ester	32, 46, 68, 100, 150	Partially miscible with FC and HFC mixtures (e.g. R 134a, R 404a).
RCPF Series	PAO	32, 46, 68, 100, 150, 220	CFC and HFC (e.g. R12, R 22), ammonia, carbon dioxide, hydrocarbon refrigerant gases.

Hydraulic Fluids			
ECOSYN	Base fluid	Viscosity ISO VG	Description
HEB Series	Ester	15, 32, 46, 68, 100, Multi	Biodegradable: CEC L-33-A-93 >90%; WHC 1 ISO 6743/4: L-HM, L-HV, DIN 51524/2 HLP.
HP series	PAO/Ester	15, 32, 46, 68, 100	ISO 6743/4: L-HM, L-HV, DIN 51524/2 HLP.
HPF Series	PAO	32, 46, 68, 100	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.

Heat Transfer Fluids			
ECOSYN	Base fluid	Viscosity ISO VG	Description
HTE Series	Ester	7, 10, 15, 22	Open systems: <200°C; Closed systems: < 350°C.
HTEB Series	Ester	7, 10, 15, 22	Biodegradable: CEC L-33-A-93 >90%; WHC 1 Open systems: <200°C; Closed systems: <350°C.
HTP Series	PAO	7, 10, 15, 22	Open systems: <180°C; Closed systems: <280°C.
HTPF Series	PAO	7, 10, 15, 22	Incidental Food Contact: FDA 21 CFR Title 21, 178.3570, NSF H-1; HACCP.

Specialties			
ECOSYN	Base fluid	Viscosity ISO VG	Description
Spindlube	PAO	22	Spindle lubricant for textile machinery.
TE Series	Ester	150...320	High temperature lubricant. For e.g. high temperature chains. Up to 250°C.
IE Series	PAO	15, 32, 68	Bearing and impregnating oils.

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, email or fax us today.

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