

## 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	Outperforms specifications: ISO/DP 6521 (DAB DAG) and DIN 51506 (VDL)
CP Series	PAO/Ester	32, 46, 68, 100, 150	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 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 Outperforms specifications: ISO/DP 6521 (DAB DAG) and DIN 51506 (VDL)
CPG Series	PAG/Ester	46, 68, 100, 150, 220	Biodegradable: CEC L-33-A-93 >90%; WHC 1
Flushing Fluid	Ester		Compressor cleaning fluid.

<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 <sup>-3</sup> mbar
VP Series	PAO/Ester	32, 46, 68, 100, 150	For vacuum down to 10 <sup>-3</sup> mbar
VPF Series	PAO	32, 46, 68, 100, 320	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	Biodegradable: CEC L-33-A-93 >90%; WHC 1 For vacuum down to 10 <sup>-3</sup> mbar
Flushing Fluid	Ester		Vacuum pump cleaning fluid

<b>Refrigeration Lubricants</b>			
<b>ECOSYN</b>	<b>Base fluid</b>	<b>Viscosity ISO VG</b>	<b>Description</b>
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

## Product lines

Gas Engine Lubricants			
ECOSYN	Base fluid	Viscosity SAE	Description
GE Series	Ester	15W40, 20, 30, 40	0.0%, 0.4%, 0.6%, 0.8% and 1.0% ash levels

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, 32	Open systems: <200°C; Closed systems: < 350°C
HTEB Series	Ester	7, 10, 15, 22, 32	Biodegradable: CEC L-33-A-93 >90%; WHC 1 Open systems: <200°C; Closed systems: <350°C
HTP Series	PAO	7, 10, 15, 22, 32	Open systems: <180°C; Closed systems: <280°C
HTPF Series	PAO	7, 10, 15, 22, 32	Incidental Food Contact: FDA 21 CFR Title 21, 178.3570, NSF H-1; HACCP

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
		<b>Viscosity SAE</b>	
SAE Series	Ester PAO/Ester	90, 140, 75W90, 75W140	Mono and multi grade gear oils, EP/AW API GL-5; DIN 51512

Engine Oils			
ECOSYN	Base fluid	Viscosity SAE	Description
SAE Series	Ester PAO/Ester	20, 30, 40, 0W30, 5W30, 5W40, 10W40, 15W40, 20W50	Four-stroke diesel and gasoline engine oil. Mono and multi grade. All API, ACEA.
2T Series	Ester	-	Two-stroke engine oil. Low ash and ashless. Outperforms specifications: JASO FC/FD, API TC, ISO-L-EGD, TC-W3

## Product lines

Turbine Oils			
ECOSYN	Base fluid	Viscosity ISO VG	Description
GTP Series	PAO/Ester	32, 46, 68	For use in land-based turbines, particularly units used as standby power units, and in types of total energy and combined cycle (gas/steam) systems.
GTE Series	Ester	15, 32	For use in very high temperature gas turbine engines in industrial applications (meets MIL-PRF-7808 and MIL-PRF-23699).

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
Pneumalube	PAO, Ester	22, 32	Pneumatic systems lubricant. Standard, Food and Biodegradable

### 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, email or fax us today.

ECOSYN LUBRICANTS are produced by:  
**WIPA CHEMICALS INTERNATIONAL N.V.**  
 I.Z. DURMAKKER 7  
 B-9940 EVERGEM (Belgium)  
 Tel.: + 32 (0) 9 2532600  
 Fax: + 32 (0) 9 2532800  
 info@wci-nv.com  
 www.wci-nv.com

#### 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.

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.