



Industrial Lubricants

Rokolub® GAS,
Rokolub® IGO WS,
Rokolub® HYD

Local. Global. Integrated.

Operating in 17 countries, in 39 different locations, PCC SE currently employs over 3 300 people.













About us

The PCC Group is an international capital structure made up of dozens of companies operating in three major sectors of the economy: Chemicals, Energy and Logistics. The organisations within the PCC Group are both business units engaged in production activities and service companies operating simultaneously for the external market.

The PCC Group is centrally managed by the German company PCC SE and comprises more than 74 companies at 39 locations in 17 countries around the world. One of the key elements of PCC SE's strategy is the dynamic development of the chemicals business by exploiting

the potential of new market segments and diversifying the portfolio of raw materials and chemical formulations in line with current trends in various industries. Every day, our specialists work on the stable growth and development of their organisations, making the PCC Group stronger and building a solid business platform for all contractors interested in reliable and longterm cooperation.

PCC ROKITA SA PCC PCG OXYALKYLATES IRPC	PCC ROKITA SA	PCC ROKITA SA	PCC EXOL SA PCC CHEMAX INC PCC PCG OXYALKYLATES	PCC SYNTEZA
Polyols 	Chlorine 	Phosphorus 	Surfactants 	Alkylphenols 
<ul style="list-style-type: none"> • Polyether polyols • Polyester polyols • Prepolymers • Polyurethane Systems 	<ul style="list-style-type: none"> • Chlorine • MCAA • Other Chlorine Downstream Product 	<ul style="list-style-type: none"> • Phosphorus derivatives • Naphthalene derivatives • Polycarboxyethers (PCE) 	<ul style="list-style-type: none"> • Anionic surfactants • Cationic surfactants • Nonionic surfactants • Amphoteric surfactants (betaines) • Chemical formulation 	<ul style="list-style-type: none"> • Nonylphenol • Dodecylphenol • Tristyrylphenol

PCC CONSUMER PRODUCTS SA	PCC ROKITA SA	PCC INTERMODAL SA	PCC BAKKISILICON HF.	PCC SE
Consumer Products 	Energy 	Logistics 	Silicon 	Holding & Projects 
<ul style="list-style-type: none"> • Household & industrial Cleaners, Detergents and Personal Care Products 	<ul style="list-style-type: none"> • Renewable Energy • Conventional Energy 	<ul style="list-style-type: none"> • Intermodal transport • Road Haulage • Rail Transport 	<ul style="list-style-type: none"> • Microsilica • Silicon Metal 	<ul style="list-style-type: none"> • Portfolio Management • Project Development

Industrial Lubricants Rokolub® GAS, Rokolub® IGO WS, Rokolub® HYD

PCC offer of finished lubricants for the industrial sector covers a broad range of applications including:

- Compressor oils for gas and chemicals compression,
- Industrial gear oils for bevel, hypoid, planetary and worm gearboxes,
- Fire-resistant hydraulic oils.

The PCC portfolio includes PAG-based products.

Rokolub® HYD Series – HDFU hydraulic fluids

Hydraulic fluid is one of the most important components of a hydraulic system. This lubricant is transferring power throughout machinery, at the same time lubricating components, giving heat transfer and protecting against wear and corrosion. Selecting the property hydraulic fluid is critical to performance,

efficiency and long life of hydraulic system. Hydraulic fluids based on PAG's provide excellent lubrication, fire resistance and thermal stability. Our company offers HFDR and HFDU type of fluids. More information about HFDR fluids in our catalogue Rokolub® FR Series.

Classification of non-aqueous fire-resistant hydraulic fluids

Classification of HFD in according to ISO 6743-4	HFD	
Subcategory	HFDR	HFDU
Water content	Anhydrous	Anhydrous
Composition	Synthetic fluids containing no water and consisting of phosphate esters	Synthetic fluids containing no water with other composition
Environmental impact	Low	Very low
Advantages	<ul style="list-style-type: none">• unique fire resistance and self-extinguishing ability• very good lubricating properties• resistance to high temperatures	<ul style="list-style-type: none">• high flash point and high autoignition temperature• long fluid life• reduced downtime from maintenance



Rokolub® HYD Series – applications and properties

Rokolub® HYD Series are water-insoluble PAG-based lubricants which are inherently fire-resistant. They have been designed to minimize fluid degradation under even the most severe operating conditions.

Rokolub® HYD Series provide excellent lubricity, thermal stability and oxidative resistance that making them suitable for high-pressure and high-temperature hydraulic systems. Our products are meeting ISO 12922 requirements.

Rokolub® HYD is available in ISO VG 46, 68 and 100 viscosities.

Main features

- Outstanding anti-wear properties
- Excellent low temperature properties
- Superior thermal and oxidative stability
- Low environmental impact
- High flash point
- Very good air-release time
- Low impact of temperature for viscosity

Key applications

Rokolub® HYD Series are used for the following hydraulic systems:

- Industrial equipment
- Marine equipment
- Mobile equipment
- High-pressure systems
- Robotics

Trade name	Viscosity at 40 °C	Viscosity at 100 °C	Viscosity index	Copper strip corrosion test	Flash point	Pour point	4-Ball wear test, scar diameter	4-Ball, weld point
	ASTM D445	ASTM D445	ASTM D2270	ASTM D130	ASTM D92	ASTM D97	ASTM D4172	ASTM D2783
	cSt	cSt	-	-	°C	°C	mm	N
Rokolub® HYD 46	46	9	180	1a	257	-54	0,42	≥ 1569

Rokolub® HYD is a high-quality, biodegradable, flame-retardant hydraulic fluid. This product is designed for use in hydraulic systems operating in fire hazard areas. Rokolub® HYD Series have an excellent anti-wear properties and provide superior environmental performance due to its low toxicity additives.

These products must never be mixed with mineral oil or PAO based products.



Rokolub® GAS Series – compressor lubricants

Industrial air compressor efficiency, reliability, and long service life depend largely on the compressor oil. Compressor oil reduces friction and wear during high pressure. Synthetic compressor oils are recommended for industrial use because offer better protection and performance under extreme temperatures and operating conditions than mineral compressor oils. They feature longer life and better lubrication properties.

Rokolub® GAS is high performance gas compressor lubricant based on a PAG. It is designed for natural gas and chemical compression for use in rotary screw and reciprocating compressors. Our compressors oils contains no sulfur or additives that can lead to unwanted deposits on valves which reduce the need of often compressor maintenance. Rokolub® GAS is available in following viscosity classes: 100, 150 and 185.

Main features

- Excellent rust and corrosion protection
- High flash point and reduced foaming
- Multi-gas service
- High lubricity for wear protection
- Does not generate solid deposits
- Does not promote the dimerization of butadiene

Key applications

Rokolub® GAS Series are used to compress for the following gases:

- Liquefied petroleum gases
- Liquefied natural gases
- Hydrocarbon chemical gases
- Chemical gases e.g. ammonia, vinyl chloride and butadiene

Trade name	Viscosity at 40 °C	Viscosity at 100 °C	Viscosity index	Copper strip corrosion test	Flash point	Pour point	4-Ball wear test, scar diameter	4-Ball, weld point
	ASTM D445	ASTM D445	ASTM D2270	ASTM D130	ASTM D92	ASTM D97	ASTM D4172	ASTM D2783
	cSt	cSt	-	-	°C	°C	mm	N
Rokolub® GAS 185D	185	32	220	1a	261	-42	0.36	≥ 1569

These products must never be mixed with mineral oil or PAO based products.



Rokolub® IGO WS Series – industrial gear lubricants

Industrial gear oils play a critical role in gearboxes by reducing friction, minimizing wear and protecting metal surfaces from corrosion and oxidation. Rokolub® IGO WS series are fully synthetic lubricants formulated with water soluble polyalkylene glycols and additive packages. They designed to provide exceptional thermal and oxidative stability and superior frictional characteristics.

Our advanced formulations deliver long-lasting protection and reduce maintenance needs of devices. Rokolub® IGO WS Series are formulated and recommended for helical, bevel helical, planetary and worm gears.

Rokolub® IGO WS is available in ISO VG 150, 220, 320, 460, 680 and 1000 viscosities.

Main features

- Corrosion and rust protection
- High energy efficiency
- Excellent low temperature properties
- High flash point
- Good thermal and oxidative stability
- Outstanding AW/EP characteristics

Key applications

- Helical gears
- Bevel helical gears
- Planetary gears
- Worm gears

Trade name	Viscosity at 40 °C	Viscosity at 100 °C	Viscosity index	Copper strip corrosion test	Flash point	Pour point	4-Ball wear test, scar diameter	4-Ball, weld point
	ASTM D445	ASTM D445	ASTM D2270	ASTM D130	ASTM D92	ASTM D97	ASTM D4172	ASTM D2783
	cSt	cSt	-	-	°C	°C	mm	N
Rokolub® IGO WS 220	220	36	220	1b	261	-42	0.34	≥ 1962

These products must never be mixed with mineral oil or PAO based products.





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The information in the catalogue is believed to be accurate and compiled to the best of our knowledge; however, it should be considered as introductory only. Detailed information about our products is available in TDS and MSDS.

The suggestions for product applications are based on our best knowledge.

The responsibility for the use of products in conformity or otherwise with the suggested application, and for determining product suitability for the user's own purposes rests with the user.

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