

# Air compressor lubricants



High performance base fluids to extend the life of air compressors

**Cargill**<sup>®</sup>

## Speciality components for air compressor lubricants

The lubrication requirements for air compressors can differ significantly based on the type of compressor being used and its point of application. The two main types of air compressor are reciprocating and rotary compressors.

Correct use of high quality lubricants can substantially extend compressor life, providing maintenance and production savings in the longer term. We provide a broad range of speciality synthetic base fluids under the **Priolube™** brand name for use in air compressor formulations.

Our synthetic base fluids possess a number of properties which favour their use in air compressor formulations, these include:

- High oxidation and thermal stability
- Low volatility
- Excellent lubricity and low friction
- Improved heat transfer
- Low foaming
- Good demulsibility
- Improved health and safety performance
- Biodegradability

We provide a broad range of speciality synthetic base fluids.

These features offer key benefits paramount on any formulator's wish list, including:

- Wide ranging operating temperatures
- Extended drain intervals and reduced disposal costs
- Increased oil and equipment life
- Improved energy efficiency

Product name	Kinematic viscosity at 40°C (mm <sup>2</sup> /s)	Kinematic viscosity at 100°C (mm <sup>2</sup> /s)	Viscosity index	Pour point (°C)	Flash point COC (°C)	Auto ignition (°C)	Noack weight loss at 250°C/1hr (%)	Conradson carbon residue (%)	Biodegradability OECD 301B (>60%)	NSF HX-1
Priolube 3966	12.2	3.3	148	-78	235	-	-	-	●*	●
Priolube 3970	20	4.4	140	-51	250	385	3	0.02	●	●
Priolube 1936	26	5.3	139	-54	244	350	6	0.04	●	-
Priolube 1973	46	8.0	148	-44	280	-	2	-	●	-
Priolube 1941	52	8.0	124	-45	282	375	1	0.07	-	-
Priolube 2500	90	13	143	-24	280	-	-	-	●	●
Priolube 1940	91	9.6	78	-36	261	385	<1	0.08	-	-
Priolube 1938	143	13.1	83	-30	280	420	1	0.17	-	-
Priolube 1889	170	17	107	-29	302	-	<1	-	-	-
Priolube 1939	335	20.2	62	-9	276	420	2	0.19	-	-

Data in this table represents typical properties  
 \*Expected to be >60% based on structurally similar substances





## Who are we?

The Energy Technologies business in Cargill Bioindustrial creates, makes and sells specialty chemicals and additives for the global energy market. Working in close collaboration with our customers, we apply sustainable concepts and deep scientific expertise so that together we can efficiently power the world of tomorrow.

At our core, we are experts in synthetic ester and polyalkylene glycol chemistries, taking products from lab scale through to full manufacturing. Investing in the development of new chemistries allows us to support our customers in meeting new industry challenges.

For those who dare to imagine a brighter future, we establish long lasting relationships and create bespoke industry solutions through our integrated research & development and global manufacturing capabilities. Being both global and local, you have direct access to our network of technical experts. We look forward to talking to you.

## Further information

Cargill Bioindustrial sales and distribution are coordinated through an extensive worldwide network of technical and commercial experts. For further information or guidance please contact us:

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