

Gas turbine engine lubricants

High temperature lubrication of gas turbines engines

Gas turbine technologies continue to evolve due to a desire for increased levels of production efficiency and a desire to reduce costs. Whilst technological advances are being made in the gas turbine industry, the primary challenge in gas turbine lubrication remains unchanged: sustained high temperature exposure.

Such demands present a challenge to the gas turbine lubricant formulator who seeks components that feature excellent thermal stability and oxidation resistance to address these severe operating conditions. We have developed a superior range of Priolube™ branded products that possess the performance capability to cope with the high temperature aspect of this challenging application.

Our products offer significant benefits including:

- Improved system protection
- Good deposit control
- High temperature stability
- Reliable system operation
- Excellent wear and corrosion protection
- Low volatility characteristics
- Excellent load carrying properties



If you are looking for superior performance over conventional lubricants, look no further than our range of petrochemical diesters:

Product name	Kinematic viscosity at 40°C (mm ² /s)	Kinematic viscosity at 100°C (mm ² /s)	Viscosity index	Pour point (°C)	Flash point (°C)	Density at 20°C (g/cm ³)	Iodine value (gl/100g)	Acid value (mgKOH/g)	Hydroxyl value (mgKOH/g)
Priolube 1856	12.5	3.3	140	-78	230	0.91	0.4	0.05	3
Priolube 1857	11.7	3.4	181	-78	230	0.91	0.4	0.05	3

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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Non-warranty

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