

## Lubrication Engineers Enhances Manufacturing Operations with H1 Quinplex® Synthetic Food Grade Oil

*Designed to Extend Equipment Life, Reduce Downtime, and Maintain Product Integrity  
Across Diverse Industries*

**WICHITA, Kan. (April 14, 2025)** – [Lubrication Engineers](#), a leader in the field of high-performance lubricants and reliability solutions, highlights its [H1 Quinplex® Synthetic Food Grade Oil \(4032, 4046, and 4068\)](#), an innovative lubricant designed specifically for food processing and other sensitive environments. Engineered to meet the stringent requirements of the food industry, this advanced oil delivers superior protection, reliable performance, and compliance with global safety standards.

H1 Quinplex Synthetic Food Grade Oil is formulated with 100 percent synthetic base oil, offering exceptional load-carrying capabilities and reliable performance in extreme conditions. Its low pour point from -60°C to -48°C ensures fluidity in cold environments like blast freezers and cold rooms. The oil's high viscosity index provides consistent performance across a wide temperature range, while its oxidation resistance (RPVOT: 1,000 minutes) extends lubricant life and reduces maintenance intervals.



The proprietary Quinplex® impact-resistant additive enhances water resistance, tackiness and mechanical stability, forming a protective barrier against corrosion. This makes the oil ideal for equipment exposed to frequent washdowns and harsh operating conditions. Additionally, its anti-wear additives outperform traditional white oils by providing superior protection against wear, extending equipment life, and minimizing downtime.

Certified NSF H1, Kosher Pareve, and Halal by IFANCA, H1 Quinplex Synthetic Food Grade Oil ensures safe use in applications where incidental food contact may occur. Its odorless, tasteless, nonstaining properties maintain product integrity while preventing contamination or staining in food manufacturing environments. The oil is also compatible with seals such as Nitrile and Viton, ensuring leak-free operation across a variety of equipment types.

This versatile lubricant is suitable for use in bearings, compressors (including rotary screw air compressors), hydraulics, chains, slides, vacuum pumps, and more. It is particularly beneficial for industries such as food processing, paper-making machinery, textile manufacturing, animal feed preparation, and aluminum foil production.

H1 Quinplex Synthetic Food Grade Oil is engineered for optimal performance in high-speed machinery, featuring exceptional nonfoaming characteristics determined across three ASTM D892 test sequences. (Foaming Characteristics @ 24°C/93.5°C/24°C, ASTM D892: 0/0; 0/0; 0/0). This ensures uninterrupted operation and minimizes foam-related disruptions. Additionally, its ability to pass stringent rust tests (Rust Test, ASTM D665A) demonstrates its effectiveness in protecting equipment from water exposure and rust-induced damage, providing reliable long-term performance.

## Monolec Syn Industrial Oil

With its advanced formulation and unmatched performance benefits tailored to the needs of the food industry, H1 Quinplex Synthetic Food Grade Oil sets a new standard for safety and reliability in sensitive manufacturing environments.

### **About Lubrication Engineers**

Founded in 1951, Lubrication Engineers, Inc. has grown from a visionary lubricant company to a global leader in lubrication reliability solutions. With a commitment to quality and innovation, the company develops proprietary formulas and premium lubricants that enhance machinery performance and reduce equipment wear. Operating a state-of-the-art manufacturing facility in Wichita, Kan., and with a network spanning across the United States and more than 60 countries, Lubrication Engineers provides tailored solutions and exceptional service to businesses worldwide, helping them optimize equipment performance and achieve long-term operational success.

To learn more about H1 Quinplex® Synthetic Food Grade Oil or discover how it can benefit your operation, please call 800-537-7683 or visit [www.LElubricants.com](http://www.LElubricants.com).

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Quinplex® is a registered trademark of Lubrication Engineers, Inc.

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### **Media Contact**

- Ann Walden, [a.walden@le-inc.com](mailto:a.walden@le-inc.com), 316-529-6800