

Lubrication Engineers Highlights Pyroshield® Syn Kiln Lubricant for Heavy-Duty Industrial Applications

Innovative Synthetic Lubricant Tackles Extreme Conditions

WICHITA, Kan. (Jan. 23, 2025) – [Lubrication Engineers](#), a leader in the development and manufacturing of high-performance lubricants and reliability solutions, highlights [Pyroshield® Syn Kiln Lubricant \(9020\)](#). This non-asphaltic synthetic heavy-duty formulation offers an environmentally friendly alternative while meeting the demanding needs of industries relying on large open gear systems in extreme conditions. The lubricant's unique composition, featuring fine graphite and [Almasol®](#) solid additives, provides high load-carrying capacity and prevents metal-to-metal contact, ensuring optimal protection for industrial equipment.

Pyroshield Syn Kiln Lubricant boasts high film strength, enabling it to withstand high-load and heavy-shock applications even at elevated temperatures. Its impressive temperature reduction capability of 5-15% improves gear efficiency and extends equipment life, while the 95-lb Timken OK load rating ensures reliable performance under extreme pressure conditions. The lead-free composition allows for disposal like standard petroleum oils without special handling, making it an environmentally responsible choice for industries seeking sustainable solutions.

The lubricant is suitable for versatile application methods, permitting manual or automatic spray system application without equipment shutdown. Users can expect a significant 25-50% reduction in lubricant consumption, leading to lower operational costs and reduced maintenance requirements. The proprietary Almasol additive offers remarkable temperature resistance up to 1,900°F, maintaining protection even in extreme heat conditions, while meeting multiple industry standards including ANSI/AGMA 9005-E02 and major manufacturer requirements.

With a high viscosity index of 208, Pyroshield Syn Kiln Lubricant maintains consistency across wide temperature ranges, providing superior rust and corrosion protection as evidenced by passing both freshwater and seawater rust tests. The lubricant's high Four-Ball EP Weld Point of 400 kgf demonstrates superior extreme pressure performance and wear protection, while its FZG Scuffing test rating greater than 12 proves exceptional resistance to gear scuffing under heavy loads.



Further enhancing its performance, Pyroshield Syn Kiln Lubricant achieves a Copper Corrosion rating of 1b, providing excellent protection against copper corrosion. Its Four-Ball EP Load Wear Index of 97.1 kgf and FZG Wear test results showing less than 2 mg/kWh weight loss demonstrate exceptional wear protection under extreme pressure and heavy load conditions.

Available in quarter drums and drums to accommodate different volume needs, this lubricant's translucent black color with graphite content allows for visual confirmation of proper application and coverage while still being able to inspect the gear.

For more information about Pyroshield Syn Kiln Lubricant or to discuss how it can benefit your operations, please call 800-537-7683 or visit www.LElubricants.com.



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 60 countries, Lubrication Engineers provides tailored solutions and exceptional service to businesses worldwide, helping them optimize equipment performance and achieve long-term operational success. LE operates under an ISO 9001 Certified Quality System.

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Pyroshield® and Almasol® are proprietary additives of Lubrication Engineers, Inc.

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