JAX PYRO-PLATE EPN-2

100% SYNTHETIC, HIGH-TEMPERATURE, HIGH-PERFORMANCE GREASE, WITH ENHANCED E.P. AND RUST & CORROSION CONTROL

PRODUCT DESCRIPTION

JAX Pyro-Plate EPN-2 is the first in our new series of semi-exotic, high-performance synthetic greases for a multitude of severe industrial applications. It contains an advanced, 100% synthetic base fluid for enhanced thermal stability and reduced energy consumption. JAX Pyro-Plate EPN-2 is formulated with a high-temperature calcium sulfonate complex thickener which provides remarkable natural rust and corrosion protection, excellent shear stability and an extremely high drop point. Additionally, it has excellent extreme-pressure, antiwear, and water resistant characteristics.

PRODUCT BENEFITS

- **Unsurpassed E.P. and Antiwear Performance**—JAX Pyro-Plate EPN-2 is carefully formulated with advanced additive technologies to provide superior extreme pressure and antiwear performance. Demonstrated by a 4-Ball EP (ASTM D 2596) LWI result of 50kgf, a weld point of 400kgf, and a 4-Ball wear (ASTM D 2266) scar of 0.42 mm, JAX Pyro-Plate EPN-2 offers outstanding long-term advantages over similar lubricants.
- **Excellent Rust and Corrosion Protection**—The calcium sulfonate thickener system of the JAX Pyro-Plate EPN-2 provides excellent natural rust and corrosion protection. It effectively withstands corrosion caused by salt water, salt air and atmospheric chemicals. The severe, Salt Fog Corrosion Test (ASTM D 117) yields passing performance of over 4000 hours, something few greases of any other technology can achieve.
- **Outstanding Thermal and Oxidative Stability**—JAX Pyro-Plate EPN-2 demonstrates excellent thermal and oxidative stability. A dropping point (ASTM D 2265) in excess of 604°F (318°C) means that Pyro-Plate EPN-2 is the highest temperature-capable, conventionally thickened grease on the market. Bomb Oxidation results (ASTM D 942) of 6.0 psi drop after 1000 hours means that JAX Pyro-Plate EPN-2 will outperform nearly all industrial synthetic greases in high-temperature oxidation stability. JAX Pyro-Plate EPN-2 can eliminate the need for expensive, specialized greases in many high-temperature applications.
- **Superior Water Resistance**—Industrial applications can be subject to the severe process and sanitation water and the chemical contamination inherent in modern manufacturing plants. JAX Pyro-Plate EPN-2 is one of the most water-resistant greases, with Water Washout (ASTM D 1264) results of 3.0% weight loss.

APPLICATIONS

JAX Pyro-Plate EPN-2 is an excellent high temperature, multipurpose grease that may be used in a variety of applications. With its ultimate rust and corrosion protection, extreme pressure and antiwear characteristics and outstanding thermal stability, JAX Pyro-Plate EPN-2 provides an upgraded solution to lithium complex products used in the most demanding applications.

COMPATIBILITY

Extensive grease studies using mixtures of popular grease thickener technologies have shown that JAX Pyro-Plate EPN-2 possesses very good compatibility with a variety of products currently on the market. Please contact your JAX Sales Representative with questions regarding specific applications.

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PERFORMANCE FEATURES AND BENEFITS

- 100% Synthetic, High Temperature Fluid
- Outstanding E.P. and Antiwear Properties
- Unsurpassed Rust & Corrosion Control
- Excellent Long Term High-Temperature Oxidation Stability
- Very Good Compatibility with Most Greases

TYPICAL PROPERTIES	PYRO-PLATE EPN-2 (PPEPN2)	METHOD
Soap Type	Overbased Calcium Sulfonate	
NLGI Grade	2	
Penetration Unworked	280	
Penetration, Worked	280	ASTM D 217
Dropping Point, °F (°C), min.	604 (318)	ASTM D566
Base Fluid:		
Viscosity @ 100°F, SUS / cSt 40°C	1019/220	ASTM D 445
Viscosity @ 210°F, SUS / cSt 100°F	120 /25	ASTM D 445
Viscosity Index	144	ASTM D 2270
Flash Point °F (°C)	520 (272)	ASTM D 92
Fire Point °F (°C)	--	ASTM D 92
Pour Point °F (°C)	-22 (-30)	ASTM D 97
Salt Fog Corrosion, hrs.	4000	ASTM B 117
Grease Oxidation:		ASTM D 942
psi loss @ 100 h	0	
psi loss @ 500 h	2	
psi loss @ 1000 h	6	
Wheel Bearing Leakage, modified @ 163°C, g	0.4	ASTM D 1263
Water Washout @ 175°F (79.4°C)	3.0	ASTM D 1264
Oil Separation Test, %	0.1	ASTM D 1742
Rust Test	Pass	ASTM D 1743
Roll Stability	2.7	ASTM D 1831
Four-Ball Wear, mm	0.42	ASTM D 2266
Extreme-Pressure Properties		
Load Wear Index, kgf	50	ASTM D 2596
4-Ball Weld, kgf	400	ASTM D 2596
Color	Red	
Texture	Smooth, Tacky	

JAX products undergo continual improvement in formulation and manufacture. The values indicated in this PDS are typical production values at the time of this writing. JAX reserves the right to alter and update product data and typical values at any time without notice. It is the responsibility of the installer and/or purchaser to determine if these specifications are adequate and proper for the intended application. MSDS information may be found at www.jax.com or by contacting JAX INC.

CONTAINER SIZE	PYRO-PLATE EPN-2
2000 Pound Tote - 276	PPEPN2-276
400 Pound Drum - 400	PPEPN2-400
120 Pound Keg - 120	PPEPN2-120
35 Pound Pail - 035	PPEPN2-035
50 Cartridge Case - 050	PPEPN2-050
10 Cartridge Pack - 052	PPEPN2-052

JAX INC.
Menomonee Falls, WI • Sacramento, CA • Nashville, TN
800.782.8850 • 262.781.8850 • www.jax.com

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