

Open Gear Oil (OG3)



Product Description

Podlee open gear oil is a specialized lubricant designed for the protection and efficient operation of open gears, which are exposed to harsh environmental conditions and heavy loads. This type of oil typically has high viscosity and excellent adhesive properties to ensure it stays in place on gear surfaces, providing long-lasting lubrication. It often contains extreme pressure (EP) additives to prevent wear and tear, as well as anti-corrosion agents to protect against rust and oxidation. Open gear oil is commonly used in industries such as mining, cement production, and heavy machinery, where open gears are prevalent and require robust lubrication solutions.

Application

Suitable for lubricating various open gears, chains, and wire ropes, including but not limited to:

Chemical systems: Scraper conveyors in material handling;

Oilfield operations: Chains of drilling rigs and heavy-duty equipment;

Marine engineering: Gears in shipboard machinery and offshore installations.

Advantages

Superior Extreme Pressure (EP) Properties – Effectively protects gear surfaces from wear and enhances durability under heavy-load conditions.

Excellent Anti-Wear & Anti-Corrosion Performance – Reduces friction-induced damage and resists chemical degradation in harsh environments.

Enhanced Rust Prevention – Forms a protective film to inhibit oxidation and moisture-related corrosion on metal surfaces.

Typical Characteristics

Item	Test Data		Standard
Viscosity (mm ² /s@104 F / 40 °C)	220	320	ASTM D445
Viscosity Index	95	95	ASTM D2270
Flash Point – Open Cup Method, (°F/°C)	455/235	473/245	ASTM D92
Water (%)	None	None	ASTM D95
Copper Corrosion, (100°C, 3h)	1b	1b	ASTM D130
Rust Preventing Characteristic (A)	Pass	Pass	ASTM D665
P _B (N)	784	784	ASTM D2783

Package

18 L/Barrel

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