

Mobilgear® OGL 007 & 009

Grease

Product Description

Mobilgear OGL 007 and 009 are high performance advanced technology semi-fluid lubricants which incorporate both extreme pressure additives and finely dispersed graphite for load carrying. They are intended primarily for the lubrication of large, slow to medium speed, heavily loaded gears. In addition to providing outstanding load carrying, they are formulated to have excellent adhesion and resistance to "fling-off" under extreme conditions.

Mobilgear OGL 007 and 009 are lead-free and chlorine-free, contains no solvent or diluent. Absence of solvent or diluent also helps enable the products to maintain full specification during storage and use. The low temperature properties and slumpability of Mobilgear OGL 007 and 009 are suited to spray applications under a wide variety of conditions.

These products are easily pumped from drums to application spray nozzles with conventional transfer pumps.

Features & Benefits

Mobilgear OGL 007 and 009 are leading members of the Mobilgear brand of products that enjoy a worldwide reputation for performance and innovation. Developed by ExxonMobil research scientists and backed by a worldwide technical support staff, Mobilgear OGL 007 and 009 have provided excellent protection and performance in large open gearing in a wide variety of industrial applications.

Mobilgear OGL 007 and 009 were developed to meet the requirements of Original Equipment Manufacturers (OEMs) and the needs of customers who prefer to use a semi-fluid grease for heavily loaded, slow to medium speed open gearing. A critical need for products of this type is to separate the heavily loaded gear teeth and avoid surface wear and damage. Mobilgear OGL 007 and 009 are formulated with a specific quality of finely dispersed graphite which has been shown by our researchers to contribute significantly to the elastohydrodynamic (EHL) film thickness under the high load / slow speed conditions typical of large open gearing.

Features	Advantages and Potential Benefits
Special formulation provides outstanding load-carrying and antiwear properties	Superior protection against wear and reduced gear replacement costs
Excellent pumpability and sprayability	Efficient operation, good low temperature start-up and reduced energy consumption
Very good protection against rust and corrosion	Longer equipment life, reduced downtime and reduced maintenance costs
Very good adhesive nature of the product	Reduced fling-off, consumption and lower lubricant costs
Absence of lead, nitrite and solvent	Reduced impact on the environment



Applications

Mobilgear OGL 007 and 009 are designed for the lubrication of large, slow to medium speed, heavily loaded gears in heavy-duty applications, in a wide variety of industrial sectors including:

- Mining industries, including those that operate at high temperatures, for example, ring gears on cement kilns and ball mills
- Steel, cement, paper and chemical applications

Typical Properties

	Mobilgear OGL 007	Mobilgear OGL 009
NLGI Grade	00	00
Color, Visual	Black	Black
Penetration, Worked, 25° C, ASTM D 217, mm/10	405	405
Dropping Point, °C, ASTM D 2265	200	200
Viscosity of Oil, ASTM D 445		
cSt @ 40° C	460	1500
FZG Gear Test, DIN 51354, A/2.76/50:		
Fail Stage	12+	12+
Wear, mg/KWh	0.25	0.25
4-Ball Wear, ASTM D 2266, Scar, mm	0.5	0.5
4-Ball Weld Test, ASTM D 2596, weld load, kg	>800	>800
Corrosion Protection, ASTM D 1743	Pass	Pass

Health & Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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