

Product Description

Mobilux EP greases are lithium hydroxystearate greases containing a lead free extreme pressure additive. They are multi-purpose greases formulated to provide extra protection against wear, rusting and water washout.

Benefits

The Mobilux EP greases have a long history of proven performance and have demonstrated superior performance versus competitor products in the areas of corrosion protection, low temperature pumpability and high temperature service life. A Timken OK load of 18 kg (minimum) illustrates their load carrying and extreme pressure capability.

- Reduced wear under heavy or shock loading and vibration
- Protection against rust and corrosion
- Resistance to water washout
- Good pumpability in centralised systems
- Extended bearing life in wet environments
- Lead and nitrite free

Application

Mobilux EP greases are recommended for most types of industrial applications including heavy duty applications where high unit pressures or shock loads are present. They are suitable for rolling element bearings, plain bearings, gears and couplings.

Mobilux EP greases provide excellent protection against rust and corrosion and resist water washout which makes them particularly suitable for equipment such as the wet ends of paper machines, underground mining or tunnelling equipment and ore crushing plants where moist or wet conditions are common.

The recommended temperature range is from -20°C to +130°C but they may be used at higher temperatures if the lubrication frequency is increased accordingly.

Mobilux EP 0 and EP 1 are soft greases with NLGI grades 0 and 1 respectively. They provide good low temperature pumpability and are suitable for centralised lubrications systems and other applications where low temperature performance is required.

Mobilux EP 2 is an NLGI grade 2 grease recommended for multipurpose applications in anti-friction and plain bearings, bushings and pins under normal operating conditions.

Mobilux EP 3 is a stiffer NLGI grade 3 grease recommended for applications where maximum protection against penetration of water or solid contaminants is required.

Health and Safety

Based on available toxicological information, it has been determined that these products pose no significant health risk when used and handled properly.

Details on handling, as well as health and safety information, can be found in the Material Safety Data Bulletin which can be obtained through Mobil Oil Company Ltd., by telephoning 01372 22 2000.

Typical physical characteristics are given in the table. These are intended as a guide to industry and are not necessarily manufacturing or marketing specifications.

Typical Characteristics

Mobilux		EP 0	EP 1	EP 2	EP 3
	Test Method				
NLGI Grade	ASTM D217	0	1	2	3
Soap Type		Lithium	Lithium	Lithium	Lithium
Colour	Visual	Light Brown	Light Brown	Light Brown	Light
Brown					
Structure	Visual	Smooth	Smooth	Smooth	Smooth
Penetration, worked	ASTM D217	370	325	280	235
Viscosity of Oil, cSt at 40°C	ASTM D445	150	150	150	150
Dropping point, °C	ASTM D2265	180	180	180	180
Timken OK load, kg	ASTM D2509	18	18	18	18
4-Ball weld, kg	ASTM D2596	250	250	250	250
4-Ball wear, scar mm	ASTM D2256	0.4	0.4	0.4	0.4
Emcor distilled water washout test	IP 220 Mod.	0.0	0.0	0.0	0.0

Due to continual product research and development, the information contained herein is subject to change without notice.

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