



## UNIREX™ EP Series

Mobil Grease , Canada

Premium Quality Heavy Duty Greases

### Product Description

The UNIREX™ EP family of greases are high performance and extremely versatile long-life premium performance greases. Mobil Unirex grades have been formulated with high quality basestocks, proprietary high performance lithium complex thickener technology and an additive package designed to provide outstanding wear protection, excellent rust and corrosion protection and very good resistance to thermal, oxidative and structural degradation in high temperature applications. Unirex meets the challenges in demanding applications in many industries including transportation, manufacturing, construction, mining, logging, cement, marine and paper-making, where a grease must perform well in a multitude of different severe applications.

### Features and Benefits

Features	Advantages and Potential Benefits
Outstanding adhesion and water resistance	Stays-in-place and resists wash-out in the presence of water, thereby extending lubrication intervals and helping equipment to last longer
Excellent protection against rust and corrosion	Keeps the lubricated surfaces protected, thereby reducing component wear and damage and helping to extend equipment life
Potent extreme pressure/wear protection	Designed to protect components under severe load and shock conditions, thereby reducing wear and increasing component life
	Designed to provide excellent service in severe high temperature applications, helps to extend lubricant and component life
Excellent high temperature stability and service life	Designed to provide excellent service in severe high temperature applications, helps to extend lubricant and component life

### Applications

- In applications where NLGI service classification GC/LB quality is required or preferred (EP 1 / EP 2)
- In chassis applications for on-road and off road equipment, where excellent adhesion and water resistance are required
- In a multitude of applications indoors and outdoors, in stationary and mobile equipment, in high and low temperature applications
- As a multi-purpose grease for use in a wide variety of applications, allowing for consolidation and simplification

### Specifications and Approvals

This product has the following approvals:	EP-2
Meritor O665 Permalube U-Joint Grease	X

### Properties and Specifications

Property	EP 0	EP 0 MOLY	EP-1	EP 1 MOLY	EP-2	LOTEMP EP	LOTEMP

							<b>MOLY</b>
Grade	NLGI 0.5	NLGI 0.5	NLGI 1	NLGI 1	NLGI 2	NLGI 1.5	NLGI 1.5
Thickener Type	Lithium Complex	Lithium Complex	Lithium Complex	Lithium Complex	Lithium Complex	Lithium Complex	Lithium Complex
Base Oil Viscosity of Greases @ 40 C, mm <sup>2</sup> /s, AMS 1697	68	68	220	220	220	10	10
Corrosion Prevention, Rating, ASTM D1743	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Dropping Point, °C, ASTM D2265	190	190	280	280	300	260	260
Four-Ball Extreme Pressure Test, Weld Load, kgf, ASTM D2596	200	200	315	500	315	200	200
Four-Ball Wear Test, Scar Diameter, mm, ASTM D2266					0.5		
Four-Ball Wear Test, Scar Diameter, 40 kg, 1200 rpm, 1 h, 75 C, mm, ASTM D2266	0.5	0.5	0.5	0.5		0.5	0.5
Penetration, 60X, 0.1 mm, ASTM D217	350	350	325	320	280	300	300
Timken OK Load, kg, ASTM D2509	27	27	27	27	27	27	27

## Health and Safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.aspx>

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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit [www.exxonmobil.com](http://www.exxonmobil.com)

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