



Dynalife L-EP

DYNALIFE L-EP is a high-quality, extreme-pressure (EP), lithium grease developed for a multitude of uses with a broad range of operating conditions. It is formulated with high-quality paraffinic base stocks, and fortified with oxidation inhibitors, EP additives and rust inhibitors, to provide a grease with excellent storage stability, rust inhibition and protection in wet conditions.

DYNALIFE L-EP is manufactured with high-viscosity index paraffinic base stocks and lithium-12 hydroxy stearate soap. It is compounded with an effective extreme-pressure additive and corrosion inhibitors, which impart good load-carrying characteristics and good chemical stability.

Applications

- Automotive and industrial applications requiring lithium EP grease. These include: wheel bearings in vehicles equipped with drum brakes, steering knuckles, king pins, ball joints, pitman arms and U-Joints
- Power takeoffs found in trucks, agricultural machinery and industrial equipment

DYNALIFE L-EP is not recommended for wheel bearings in vehicles equipped with disc brakes. It is recommended for heavily loaded antifriction and plain bearings found in pumps, compressors and gearboxes. It is ideal for these bearings when they are subjected to high speeds, high temperatures, water and shock loads, and it is a good general-purpose plant grease.

DYNALIFE L-EP is ideal for centralized lube systems, where good pumpability is required.

Outstanding Features

- One grease for most applications – reduces inventory
- Excellent EP characteristics
- Good high-temperature oxidation and thermal stability
- Excellent low-temperature pumpability
- Excellent shear stability in service
- Water-resistant; provides good corrosion protection
- Excellent for use in centralized grease systems
- Choice of five NLGI grades

**High-Quality,
Multipurpose,
Extreme-Pressure
Lithium Grease**

**U.S. Technical Services
Hot line:
1-800-766-0050**

**U.S. Customer Service:
1-800-822-6457**

**International:
+1-832-486-3363**

**E-mail address:
lubricants@
conocophillips.com**

<http://lubricants.conocophillips.com>

600 N. Dairy Ashford • 2W9000 • Houston, TX 77079



Dynalife L-EP Typical Properties

ASTM Test Method							
NLGI No.		000	00	0	1	2	3
Thickener		Lithium	Lithium	Lithium	Lithium	Lithium	Lithium
Color		Amber	Amber	Amber	Amber	Amber	Amber
Texture		Semifluid	Semifluid	Soft-Smooth	Smooth	Smooth	Smooth
Density, lb/gal		7.44	7.44	7.44	7.44	7.44	7.44
Cone Penetration, (worked 60 strokes)	D217	460	415	370	325	280	235
Dropping Point,							
°F		305	310	350	350	350	350
°C	D2265	152	154	177	177	177	177
Timken OK Load, lbs	D2509	40	40	40	40	40	40
Four-Ball EP, Weld Load, kgf	D2596	250	250	250	275	275	250
Four-Ball Wear, 75°C, mm	D2266	0.48	0.48	0.46	0.45	0.45	.045
Rust Preventive Rating	D1743	Pass	Pass	Pass	Pass	Pass	Pass
Oxidation Stability,	D942						
Pressure Drop @ 100 hrs, psi (kpa)		—	—	—	5 (35)	5 (35)	5 (35)
Base Oil Properties,							
cSt @ 40°C	D445	195	195	195	195	195	160
cSt @ 100°C	D445	18.5	18.5	18.5	18.5	18.5	12.0
SUS @ 100°F		1025	1025	1025	1025	1025	857
SUS @ 210°F		95	95	95	95	95	68
Viscosity Index	D2270	80	80	80	80	80	35
Usable Temperature Range,							
°F		-5 to 225	-5 to 225	0 to 250	0 to 255	0 to 290	15 to 290
°C		-21 to 107	-21 to 107	-18 to 121	-18 to 124	-18 to 143	-9 to 143

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

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