



## OPTIMUS L 220-EP

### PRODUCT DESCRIPTION:

Optimus L-220 EP is a multi-purpose, extreme-pressure grease based on lithium 12-Hydroxystearate soap thickener and high-quality mineral base oil. This grease contains extreme pressure and other proven additives to enhance the performance in a wide range of applications. It is specifically recommended for steel mill, heavy-duty plain and rolling element bearings operating under severe conditions including shock loading and wet environments, gear box application where semi fluid grease is required and for centralized chassis lubrication systems.

### APPLICATIONS

Optimus L-220 EP grease is specifically recommended for steel mill, heavy-duty plain and rolling element bearings operating under severe conditions including shock loading and wet environments, gear box application where semi fluid grease is required and for centralized chassis lubrication systems.

### PRODUCT ADVANTAGES

- The operating temperature range is -20°C to 130°C
- Excellent anti-wear and extreme pressure properties
- Excellent mechanical stability
- Good resistance to water-washout
- Excellent oxidation stability

### TYPICAL PROPERTIES:

PARAMETERS	TEST METHODS	TYPICAL VALUE		
		00	0	1
NLGI Grade	-	00	0	1
Thickener Type	-	Lithium Soap	Lithium Soap	Lithium Soap
Appearance	Visual	Smooth & Homogenous		
Color	Visual	Yellow to Light Brown		
Base Oil	-	Mineral	Mineral	Mineral
Work Penetration @25°C	ASTM D217	400-430	355-385	310-340
Copper Strip Corrosion 24hrs @100°C	ASTM D4048	1b	1b	1b
Dropping Point °C, Min	ASTM D2265	N/A	190	190
Four Ball Weld Load Kgf, Min	IP239	250	250	250
Four Ball Wear Scar Dia, mm, Max	ASTM D2266	0.6	0.6	0.6
Operating Temperature Range, °C	INTERNAL	-20 to 130		
Base Oil Viscosity @40°C (Cst)	ASTM D445	220	220	220

**DISCLAIMER:** The test data provided above is not a specification but is indicative and may vary within permissible production tolerances. Lubrex reserves the right to modify this test data. Updated information will supersede previous versions, so please refer to the latest version of this Technical Data Sheet (TDS).

### HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further information on Safety Guidelines please refer to MSDS available on our website [www.lubrex.net](http://www.lubrex.net)

### HEALTH & SAFETY:

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet [www.lubrex.net](http://www.lubrex.net)

### PROTECT THE ENVIRONMENT:

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.

### STORAGE:

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

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