



## OPTIMUS LX 150-EP

### PRODUCT DESCRIPTION:

Optimus LX 150-EP is a multi-purpose lithium complex-based grease developed for high temperature and long-term performance in industrial and automotive applications. The grease possesses good fretting corrosion protection, good water tolerance, resistance to water wash-out, and reliable corrosion protection combined with excellent mechanical stability and good load-carrying capabilities. It contains EP, Rust, and Anti-oxidant additives.

### APPLICATIONS

This product is suitable for grease-lubricated bearings at low and high speeds including electric motors, automotive bearings, and various anti-friction bearings in the mining, petrochemical, construction, and steel industries. It has good pumpability properties and can be used in centralized lubrication systems.

### PRODUCT ADVANTAGES

- Good high-temperature stability
- Extreme pressure capability
- Resistance to water washout
- Excellent rust and corrosion protection
- Long service life

### TYPICAL PROPERTIES:

PARAMETERS	TEST METHODS	TYPICAL VALUE		
		1	2	3
NLGI Grade	-	1	2	3
Thickener Type	-	Lithium complex	Lithium complex	Lithium complex
Appearance	Visual	Smooth & Homogenous	Smooth & Homogenous	Smooth & Homogenous
Work penetration @25°C,	ASTM D217	310 - 340	265 - 295	220 - 250
Copper Strip Corrosion for 24hrs @100°C,	ASTM D4048	1b max.	1b max.	1b max.
Dropping Point °C,	ASTM D566	>250	>250	>250
Wheel Bearing Leakage after 6hrs @ 105°C g,	ASTM D1263	max 5	max 5	max 5
Base Oil Viscosity @ 40 °C (cSt)	ASTM 445	150	150	150
Four Ball EP, Load Wear Scar, mm	ASTM D2266	0.6	0.6	0.6
Four Ball Weld Lead Kgf, Min	ASTM D2596	250	250	250
Water Washout resistance %WT @79°C,	ASTM D1264	max 5	max 5	max 5
Oil separation %, 30hrs @100°C,	ASTM D6184	max 5	max 5	max 5

**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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