



# ML 365<sup>®</sup>

## Multi-purpose All Season Grease

### General Description

ML 365<sup>®</sup> is a high quality multi-purpose, all season lithium grease available in NLGI grades 00, 0, 1 and 2. This product provides wide temperature range protection and can be recommended for many applications in agriculture, construction and industrial environments.

ML 365 is a carefully formulated lithium 12-hydroxystearate grease with oxidation, rust and corrosion inhibitors, extreme pressure (EP) additives for anti-wear and heavy shock loading, and a special polymer to control oil separation during storage. The base oil used is a high viscosity index lubricant which provides excellent stability under various temperature conditions.

ML 365 has excellent water tolerance and resists water washout from chassis points, exhibits good high-temperature capabilities and has outstanding mechanical stability by retaining its consistency in hard use.

### Features and Benefits

- **Extreme Pressure Performance:** The EP and anti-wear additives provide excellent prevention of wear and the capability to withstand shock loading.
- **Cold Temperature Performance:** The lithium thickener and high quality base oils used provide excellent cold temperature performance.
- **Resists Water Washout:** The soap thickener provides good resistance to water washout.
- **Rust and Corrosion Protection:** Good rust and corrosion prevention leads to prolonged equipment life.
- **Reduced Oil Separation:** The special polymers reduce the oil separation tendency during storage and inactivity.

### Expect Superior Performance In

- High-temperature applications
- Moist environments
- Heavy shock load conditions
- Chassis lubrication
- Wheel bearings

# ML 365®

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### Typical Applications

ML 365® is recommended for:

- NLGI Service LB
- Hot and cold temperature operations
- Severe load applications
- Shock loading applications
- Slower and medium speed severe load applications

### Typical Customers

- Truck Service Shops
- Auto Service Shops
- Mining Service Companies
- Construction Companies
- Industrial Equipment Operators
- Agricultural Equipment Operators & Shops

### Typical Properties

Properties	ML 365 #2	ML 365 #1	ML 365 #0	ML 365 #00
NLGI Grade	#2	#1	#0	#00
NLGI Service Classification	LB	LB		
Thickener	Lithium 12	Lithium 12	Lithium 12	Lithium 12
Molybdenum Disulfide, Weight %	None	None	None	None
Color	Green	Green	Amber	Amber
Penetration, 60 strokes (range)	265-295	310-340	355-385	400-430
Dropping Point, Minimum °F	>360	>360	>320	>320
Base Oil Viscosity, cSt @ 40°C	220	150	100	60
Base Oil Viscosity, cSt @ 100°C	18	12	9	7
Base Oil Viscosity Index	89	56	45	42
Base Oil Group	Mineral	Mineral	Mineral	Mineral
Timken Load	50	40	40	35
Four Ball Wear Scar	0.6 max	0.6 max	0.6 max	0.6 max
Four Ball EP Weld	315	250	250	250
Four Ball Load Wear Index	45	30	30	30
Rust Protection	Pass	Pass	Pass	Pass
Copper Corrosion	1b	1b	1b	1b
Oxidation Stability @100 hrs	<5	<5	<5	<5
Oil Separation % Separated	2	2	N/A	N/A
Water Washout % Loss @ 175°F	<5%	<10	N/A	N/A
High Temp Wheel Bearing Life, hrs	N/A	N/A	N/A	N/A
Low Temperature Torque @ -40°F, N-m	<15.5	<15.5	N/A	N/A
Operating Temperature Range °F	-20 to 250°F	-20 to 250°F	-20 to 250°F	-40 to 230°F
Operating Temperature Range °C	-30 to 120°C	-30 to 120°C	-30 to 120°C	-40 to 110°C

The data can vary within given tolerances. Temperature range is given as a guideline only.

The typical properties listed reflect the general characteristics of the product, and are not manufacturing specifications. Normal batch-to-batch variations should be expected.

### Health & Safety

A complete safety data sheet is available by calling 1-651-355-8438 or visit [cenex.com/sds-library](http://cenex.com/sds-library).