



# LUCAS OIL PRODUCTS, INC. PRODUCT DATA SHEET

## X-TRA HEAVY DUTY GREASE

Lucas Oil X-Tra Heavy Duty Grease offers exceptional lubrication over a wide range of temperatures. The advanced polyurea thickener system stands up to extended high temperature service, provides excellent mobility at very low temperatures, and has noise deadening properties. The highly stable formulation is designed to last up to four times longer than ordinary grease and is excellent for high-speed bearings and electrical motor bearings.

Lucas Oil X-Tra Heavy Duty Grease has excellent water resistance, extreme pressure protection, and mechanical stability. It's recommended for steel mills, off-road equipment, fleet, and commercial applications. Lucas Oil X-Tra Heavy Duty Grease is certified to the NLGI GC-LB standard and is the first polyurea grease to be certified to the NLGI HPM standard for high performance industrial applications.

### PART NUMBER AND SIZE:

10330 - 1 lb Tub (Case of 12)  
10301-30 - 14.5 Ounce (Case of 30)  
10305 - 35 lb Pail (1 Pail)  
10316 - 120 lb Keg (1 Keg)  
10335 - 400 lb Drum  
10315 – 1 Red 'N' Tacky 3 Ounce, 2 X-tra HD  
3 Ounce (1 Pack)

### FEATURES AND BENEFITS:

- Lasts up to four times longer than regular grease.
- Virtually wash-out proof.
- Excellent stability at high and low temperatures.
- Exceptional lubrication for high-speed bearings.
- Quiets noisy equipment.

### SPECIFICATIONS, APPROVALS AND RECOMMENDATIONS:

National Lubricating Grease Institute (NLGI)  
certified: GC-LB

NLGI certified: HPM Core +HL (High Load) +LT  
(Low Temperature)

### MAIN APPLICATIONS:

Due to its long service life, it is ideal wherever a high-performance grease is needed, yet opportunity for service is infrequent. Excellent for high-speed bearings of all types, in electrical motor bearings, and wherever noise deadening is desirable.

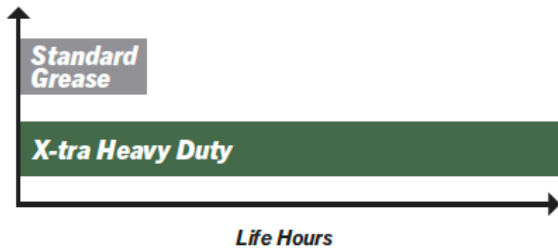


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## Delivers Long Life

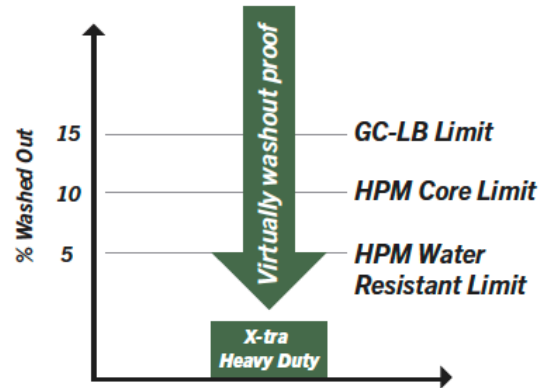
Per ASTM D3527

Bearing Life Test



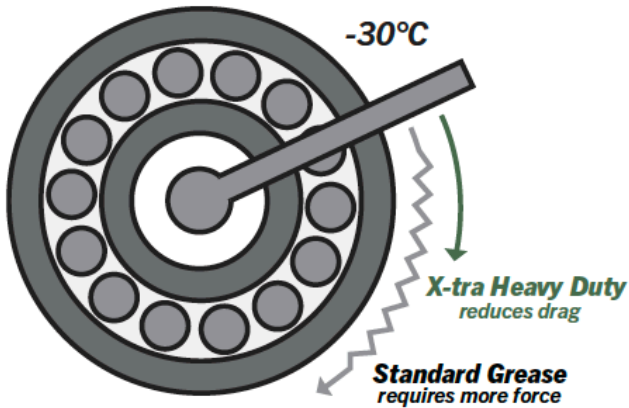
## Resists Washout

Per ASTM D1264



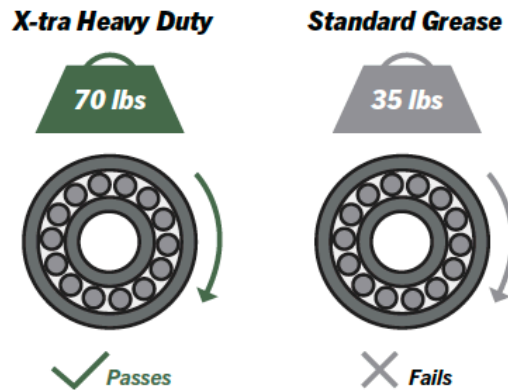
## Works Under Extreme Cold

Per ASTM D1478



## Provides Heavy-Duty Protection

Per ASTM D2509





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## TYPICAL PHYSICAL CHARACTERISTICS:

| PROPERTIES                                | ASTM  | TYPICAL   |
|---|-------|-----------|
| Thickener Type                            |       | Polyurea  |
| Texture                                   |       | Smooth    |
| Color                                     |       | Green     |
| Worked Penetration, dmm                   | D217  | 285       |
| Prolonged Worked Penetration (100k), Δdmm | D217  | +14.6     |
| Dropping Point °F(°C), Min.               | D2265 | 562 (294) |
| Water Wash-Out, % Loss                    | D1264 | 0.2       |
| Four Ball Wear Scar, mm                   | D2266 | 0.41      |
| Rust Prevention                           | D1743 | Pass      |
| Copper Corrosion, Rating                  | D4048 | 1b        |
| Oil Separation, % Loss                    | D1742 | < 1.0     |
| Four Ball EP Weld Point, kgf              | D2596 | 400       |
| Base Oil Viscosity                        |       |           |
| @ 100°C, cSt                              | D445  | 11.4      |
| @ 40°C, cSt                               |       | 122       |

These characteristics are typical of current production. However, slight variations in these characteristics may occur.

## LINKS AND ADDITIONAL INFORMATION:

For additional product or health and safety information, including product Safety Data Sheets, visit [LucasOil.com](http://LucasOil.com)