

# TRIAX GUARDIAN GREASE

## MOLY GREASE • HEAVY DUTY • SUPER TACKY

TRIAX Guardian Moly Grease is a heavy duty grease designed for construction and agriculture applications where constant high loads and shock loading are the norm. Ideal for use in pivots, roller bearings, shock loaded components, chassis, 5th wheels, u-joints and other heavily loaded components.

TRIAX Guardian grease provides excellent EP load stability, high corrosion protection and excellent overall protection in heavy duty service.

## APPLICATIONS

- Exemplary mechanical stability in high load applications
- Ideal for high load, shock loaded bearings, pivots, bushings, joints, pivots.
- Superior thermal stability with a high dropping point, over 390 F
- Exceptional adhesion keeps the grease in place in the most severe conditions
- Superior water resistance prevents metal corrosion, rust and water contamination
- Contains high Molybdenum content for excellent wear protection and special viscosity stabilizers to prevent shear

EXCEPTIONAL MECHANICAL AND THERMAL STABILITY IN HIGH LOADS FOR SEVERE SERVICE APPLICATIONS SUCH AS MINING, QUARRYING, ROCK CRUSHING AND PROCESSING AND HEAVY DUTY OFF-ROAD EQUIPMENT

## PERFORMANCE HIGHLIGHTS

- High EP Load Rating
- Provides Dry Lubrication
- Excellent Load Bearing Capacity
- High Mechanical Stability
- No Separation
- Operating temperature range -20 F to 350 F



## CHEMICAL PROPERTIES

| Test Parameter                                  | Test Method | Value                           | Value                           |
|---|-------------|---------------------------------|---------------------------------|
| Appearance                                      | Visual      | Tacky,<br>Smooth and Homogenous | Tacky,<br>Smooth and Homogenous |
| Color   | Visual      | <b>BLACK</b>                    | <b>BLACK</b>                    |
| Thickener                                       |             | Lithium Complex                 | Lithium Complex                 |
| Base Oil Viscosity at 40°C, mm <sup>2</sup> /s  | EN ISO 3104 | 227                             | 145                             |
| Base Oil Viscosity at 100°C, mm <sup>2</sup> /s | EN ISO 3104 | 15                              | 10.5                            |
| NLGI Grade                                      | ASTM D217   | 1                               | 2                               |
| Operating Temperature Range                     |             | -30°F to 400°F                  | -20°F to 350°F                  |
| Dropping Point, °C<br>Minimum Values            | ISO 6299    | 280                             | 260                             |
| Timken OK Load                                  |             | 40 lb. Min.                     | 40 lb. Min.                     |
| Rust Test                                       | ASTM D1743  | Pass                            | Pass                            |
| Water Washout Test at 79°C, wt.% loss           | ISO 11009   | < 1.5%                          | < 1.5%                          |
| Four-Ball EP Test, Weld Point, kgf              | ASTM D2596  | 700+                            | 700+                            |
| Four-Ball Wear Test, Wear Scar, mm              | ASTM D2266  | 0.55                            | 0.55                            |