



# TAKILUBE II

## ◆ NEW AND IMPROVED FORMULATION

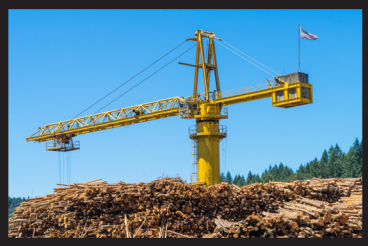
As equipment improves and the environments become more demanding, there is a need for the lubricants to change and meet these demands. The new Takilube II exposed gear lubricant is TRC's solution to meet the demands placed upon open gear applications. The formulation is designed to perform under heavy-shock and high-load applications, and Takilube II has an increased water resistance that sets it apart from other products on the market. With an 80 LB Timken OK load rating, Takilube II proves to be superior when providing protection under extreme loads. Takilube II was created to reduce operating temperatures, reduce consumption, provide exceptional wear protection, to prevent mounding up on shrouds, and to provide consistent lubrication in the vital points of gear contact.

## ◆ SUPERIOR PERFORMANCE

Exposed gears must rely on a lubricant that is so tenacious that it will adhere to the metal surface without falling off. Exposed gear sets see a variety of contaminants that can cause premature and severe wear. Takilube II's unique blend of performance additives have created an exposed gear lube that exhibits high viscosity, excellent adhesive and cohesive properties, high film strength, and extreme pressure protection. These qualities work together to provide a barrier against contaminants such as; weather, dust, remnants from cement, limestone, sand, coal, and water. Often, exposed gear sets are endangered by pressure, movement, and lubricant build-up that can affect a grease's performance. Takilube II is unique in its design, by including two different additives designed to allow the grease to stick to itself, as well as the surface it encounters. In field testing, these additives showed the Takilube II stringing to lengths not previously observed in other exposed gear lubricants. The tenacious adhesive and cohesive functions of Takilube II allow it to perform superbly in these extreme applications.

## ◆ PROLONGED PROTECTION

Takilube II is fortified with dry film lubricants and specialized friction modifiers, including Molybdenum Disulfide. This dry film lubricant, commonly referred to as "Moly", will adhere to the metal surface by plating, providing a barrier of protection to the surface. This level of protection is not common in exposed gear lubes, and while outperforming the benefits of graphite, it also prevents metal to metal contact. Adding Moly helps prevent shearing, spalling, and premature wear while providing better lubrication at the point of contact, which results in the operating temperatures and the amount of friction being reduced significantly. In addition to the extra lubrication that is provided, Takilube II is equipped with anti-oxidants and a unique rust inhibitor. These extra enhancements provide a level of protection unprecedented in the industry.



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## ◆ VERSATILE

Takilube II's unique performance qualities allow it to adhere in adverse conditions. In field trials, Takilube II showed an incredible ability to last 25-40% longer than the previous open gear lubricant being used. These trials were conducted in a variety of applications ranging from logging, dairies, construction, manufacturing, and trucking industries. No matter the industry, areas with exposed gears can experience high-load, heavy-shock conditions and a dusty environment that can lead to surface wear like scoring, pitting, and spalling. An extremely tacky lubricant with high film strength is needed. In most areas where there is a need for an exposed gear grease, Takilube II will excel in performance, protection, and extended intervals. Takilube II's formulation provides a more versatile grease that excels when compared to exposed lubricants that are graphite heavy, asphalt based, silicone based, or use other various soap based thickeners.

# SPECIFICATIONS

## TAKILUBE II

Product Code #108251

|                                 |                                    |
|---------------------------------|------------------------------------|
| NLGI Grade                      | #3                                 |
| Specific Gravity                | 0.96 8.00 lbs./gallon              |
| Color                           | Grey                               |
| Consistency                     | tacky/stringy                      |
| Solid Lubricant Content         | 8% min.                            |
| Molybdenum disulfide content    | 3.0%                               |
| Base Oil Viscosity              | 30cSt @ 100° C<br>140 SUS @ 210° F |
| Flash Point                     | 550° F                             |
| Fire Point                      | 580° F                             |
| Timken OK Load                  | 80 LBS                             |
| 4-Ball EP Test<br>(ASTM D-2596) | 500 Kg                             |

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