

# ThixOtak<sup>2</sup>

PowerUp ThixOtak is a high performance multipurpose extreme temperature stringy grease that excels in extreme conditions. Combining advanced EP/AW chemistry with the unique properties of an over-based calcium sulfonate thickener.

The use of a tackifier helps the grease stay in place for exposed and open gear applications. The low oil separation rate of ThixOtak facilitates the use of a high index low viscosity base oil over traditional grease formulations reducing starting and running torque.

Advanced EP/AW chemistry provides superior high load and extreme pressure protection to over 1.4 GPa without the use of solid lubricants such as molybdenum compounds. ThixOtak has unique chemistry which provides excellent low temperature pumpability and superior stability at high temperatures.

ThixOtak is used in agriculture, industrial, manufacturing, marine, forestry, mining, mobile and heavy equipment.

## NLGI GC-LB



**ThixOtak:** For use in exposed and open gear applications as a multipurpose high performance grease to provide protection over a broad range of conditions. For all types of bearings, chassis, universal joints, pins, bushings, king pins and valves.

**PART#:**        **3136-1 (400g Tube)**  
                       **3068-1 (17kg Pail)**

TYPICAL PROPERTIES	ASTM METHOD	ThixOtak
NLGI Consistency Grade		no. 2
Appearance		Brown, Smooth, Buttery
Worked Penetration (60 Strokes - mm/10)	D 217	280
Dropping Point (°C)	D 2265	>300 (572 °F)
Oil Separation (% loss)	D 1742	0.1%
<b>BASE OIL PROPERTIES</b>		
Viscosity @ 40°C (cSt)	D 445	95
Viscosity @ 100°C (cSt)	D 445	10.8
Viscosity Index	D 2270	97
Specific Gravity	D 1298	1.0
Density @ 20°C (g/mL)	D 1298	0.99
Pour Point (°C)	D 97	-12
<b>PERFORMANCE TESTING</b>		
Timken OK Load (kg)	D 2509	> 27.2 (60 lbs)
4 Ball EP - Load Wear Index	D 2596	63.4
4 Ball EP - Weld Point (kgf)	D 2596	500
4 Ball Wear (mm)	D 2266	0.42
Water Washout (% loss @ 79°C (175°F))	D 1264	3.0 %
Wheel Bearing Leakage (g loss)	D 4290	0.42g
Low Temperature Torque (g cm)	D 1478	Start 2979 Run 1652
Corrosion Prevention	D 1743	PASS

