Royal OIL CO.

ULTIMA 2100

THE MOST EXTREME AND VERSATILE GREASE ON THE MARKET TODAY

100 lb TIMKEN OK LOAD

LESS THAN 1% WATER WASHOUT

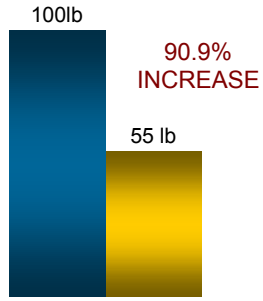
SUPERIOR WEAR REDUCTION

INCREDIBLE STABILITY

EXTREME OPERATING TEMPERATURE

ADHESIVE & COHESIVE

*A new generation grease, **ULTIMA 2100** has several very interesting characteristics. Unique additives and precision blending empower this grease to provide outstanding protection from wear, water and temperature. Its exceptionally long service life makes it a superior performance investment.*



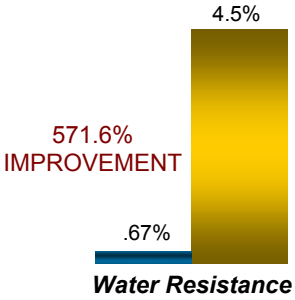
Extreme Pressure

EXTREME PRESSURE CAPABILITIES

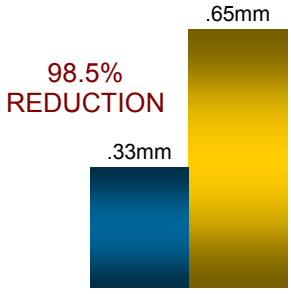
ULTIMA 2100's industry high 100lb Timken OK Load provides the extreme pressure and load carrying capabilities for the most challenging applications. Where lesser grease will be pounded or violently jolted from a grease application, **ULTIMA 2100** is designed to withstand greater amounts of pressure and load than other grease options. **Compare ULTIMA 2100's industry leading 100lb Timken Ok Load to your current grease.**

SUPERIOR WATER RESISTANCE

ULTIMA 2100's ability to resist water washout is a high impact characteristic. Most grease users will list a grease's ability to stay where it needs to be and resist direct water spray, moisture or issues with submerged components as a critical issue. **ULTIMA 2100**'s **.**67% water washout is far below that of other grease. **Compare your grease's water resistance to ULTIMA 2100**.



Water Resistance



Wear Protection

TOP WEAR RATING

ULTIMA 2100's .33mm Wear Scar Test result is most impressive. In fact most wear scar test results in the industry range from 80% to 120% higher, meaning more wear is allowed on vital components. Reduce wear, reduce temperatures and extend equipment life. **Compare ULTIMA 2100's excellent wear scar rating to that of your current product.**

CONSTRUCTION/EXCAVATING

QUARRIES/AGGREGATE

CONCRETE/ASPHALT PLANTS

DREDGING/DRAG LINE

POWER/WATER PLANTS

ELECTRIC MOTORS

RECYCLING PLANTS

ETHANOL PRODUCTION

OPERATING TEMPERATURE

Too often dropping point is reviewed when operating temperature or high heat applications are a concern. Even inorganic clay thickened grease, without a dropping point, have maximum operating temperatures. **ULTIMA 2100** has a remarkable 630˚F dropping point and more importantly a maximum operating temperature of 570˚F. All of this performance without the use of a clay based thickener. Add to this high end capability, the excellent pumpability in cold weather and **ULTIMA 2100** is the grease for general purpose and extreme applications. **Compare your current hi-temp grease's maximum operating temperature to ULTIMA 2100's 570˚F.**

COHESIVE / ADHESIVE

ULTIMA 2100's ability to adhere to metal surfaces as well as to itself is one characteristic that has many benefits. Grease not only offers a cushioning action, it provides a barrier against wear and acts as a contaminant blocker. While there are many "tacky" greases on the market **ULTIMA 2100**'s ability to string and stick in an application is optimal.

STABILITY / CONTROLLED BLEED

All grease users have seen oil in the top of grease kegs or pails, in addition to seeing storage shelves and boxes saturated with oil. If your grease's vital lubricating oils will separate from its thickener while in storage, what happens when the harsh conditions of your equipment challenge the grease. **ULTIMA 2100**'s incredible stability eliminates bleeding and keeps these vital lubricating oils in suspension for when they are needed most… protecting vital parts and equipment.

STEEL MILLS/MINI MILLS

CENTRIFUGES

METAL WORKING/STAMPING

DRILLING/PIPELINE

TRANSPORTATION

AGRICULTURAL EQUIPMENT

STEEL MILLS & MINI MILLS

MARINE

SPECIFICATIONS

NLGI Consistency	NLGI #2	NLGI #1
Worked Strokes Control Range (ASTM D217-52T	265-295	265-295
Color	Blue	Blue
Texture	Stringy	Stringy
Dropping Point (ASTM D-2265)	630˚F	630˚F
Maximum Operating Temperature	**570˚F**	**570˚F**
Combination (ASTM 128-57)		
% Soap	10% Max.	6-8
% Filler	Trace	Trace
% Water	None	None
Stability by Penetration (D217-52T)		
60 worked strokes	284	326
10,000 worked strokes	280	321
100,000 worked strokes	275	317
Timken OK Load (ASTM D-2509)	**100lb min.**	**80lb min.**
Unit Load, PSI	29,000	29,000
4 Ball EP Test (ASTM D-2596)	315 Weld	315 Weld
4 Ball Wear Test (ASTM D-2266)	**.33mm**	**.33mm**
Relative Pumpability @ 0˚F., grams	2.7	8.4
Pumpabiltiy in Hand Operated (ASTM D-1092)	Slow @-5˚F	Slow @-15˚F
Oxidation of Grease Bomb Test (ASTM D-942)	> 5 PSI	> 5 PSI
Rust Corrosion Test (ASTM D-1743)	Pass #1	Pass #1
Water Washout @ 79˚C (ASTM D-1264)	**0.67%**	**0.67%**
Thickener Type	**Calcium-Lithium Complex**	**Calcium-Lithium Complex**

Handling Information: For safe handling of the product, read the Material Safety Data Sheet (MSDS).

MADE IN THE USA BBB

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