Royal OIL CO.

EP LUBE

THE FOUNDATION FOR OUR REPUTATION IN THE INDUSTRY

100 lb TIMKEN OK LOAD

LESS THAN 2% WATER WASHOUT

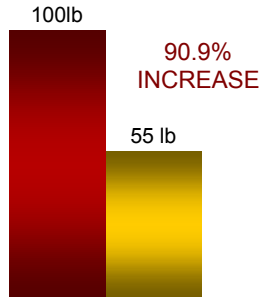
SUPERIOR WEAR REDUCTION

ADHESIVE & COHESIVE

INCREDIBLE STABILITY

SUPERIOR ADDITIVES

Originally developed for the crown of a drilling rig and truck chassis, ***EP LUBE*** *has proven itself to be the backbone of the Royal Oil Co. line of specialty lubricants. The "red grease with golden flakes" is a favorite nationwide . . . from industry to trucking.* ***EP LUBE*** *meets and exceeds the demands of a multi-purpose lubricant.*



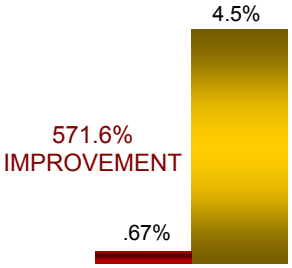
Extreme Pressure

EXTREME PRESSURE CAPABILITIES

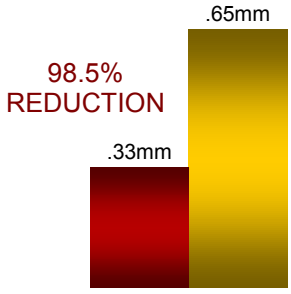
EP LUBE's industry high 100lb Timken OK Load provides the extreme pressure and load carrying capabilities for the most challenging applications. Where lesser grease will be pounded or violently jolted from a grease application, **EP LUBE** is designed to withstand greater amounts of pressure and load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

SUPERIOR WATER RESISTANCE

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. **EP LUBE**'s **1.3**% water washout is far below that of other grease. **Compare your grease's water resistance to EP LUBE.**



Water Resistance



Wear Protection

TOP WEAR RATING

EP LUBE'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 EP LUBE'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

SUPERIOR ADDITIVES

Material selection when building a lubricant is critical. Royal Oil customers will greatly benefit from our high standards and meticulous selection process. Rust and oxidation protection, film strength, cushioning ability, extreme pressure capabilities, stability and all superior characteristics come from our superior additive selection.

COHESIVE / ADHESIVE

When it comes to protection and consumption the adhesive and cohesive characteristics of **EP LUBE** are perhaps most important. When grease remains in an application protection is increased, consumption is reduced and the grease acts as a contamination barrier. **Feel the difference between your current grease and EP LUBE.**

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. **EP LUBE'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

FIFTH WHEEL

DRILLING RIGS

SPECIFICATIONS

NLGI Consistency	NLGI #2	NLGI #1
Worked Strokes Control Range (ASTM D217-52T	265-295	310-340
Color	Red	Red
Texture	Stringy	Stringy
Dropping Point (ASTM D-2265)	310˚F	310˚F
Maximum Operating Temperature	**250˚F**	**250˚F**
Combination (ASTM 128-57)		
% Soap	10.0 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)	**1.3%**	**1.3%**

MADE IN THE USA

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