



RED MAX 100

ROYAL'S EP INDUSTRIAL EXTREME PRESSURE

RED MAX's industry high 100lb Timken OK Load provides the extreme pressure and load carrying capabilities for the most challenging applications. 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. **RED MAX'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.

When it comes to protection and consumption the adhesive and cohesive characteristics of **RED MAX** are perhaps most important. When grease remains in an application protection is increased, consumption is reduced and the grease acts as a contamination barrier. 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.



KEY BENEFITS

100 LB TIMKEN OK LOAD
1.3% WATER WASHOUT
WEAR REDUCTION

ADHESIVE & COHESIVE
INCREDIBLE STABILITY
SUPERIOR ADDITIVES



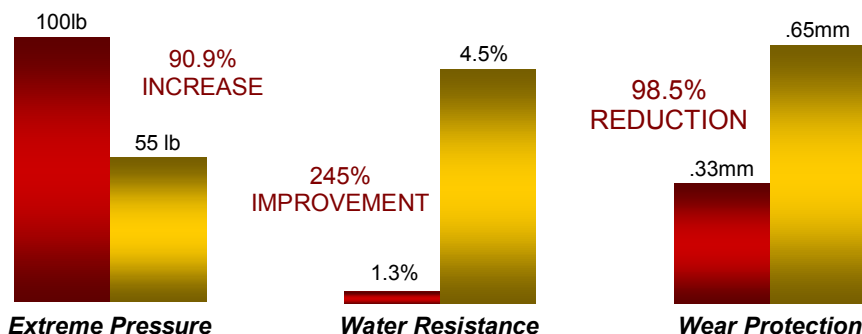
KEY INDUSTRIES

AGRICULTURE
LOGGING
CONSTRUCTION

POWER/WATER PLANTS
DRILLING/PIPELINE
EXCAVATING

RED MAX NLGI #2
Industry Standard #2

*Results for RED MAX are results from standard ASTM Tests. The data for Industry Standard NLGI#2 are averages from competitor grease ratings from the identical ASTM tests.



SPECIALTY LUBRICANTS SINCE 1926

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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
Pumpability 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%

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



MADE IN THE USA 

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