

# **ROYAL OIL CO.**

SPECIALTY LUBRICANTS

## **RED MAX** *Royal's EP Industrial Multi-functional Extreme Pressure Grease*

**Industry High Timken OK Load**

**1.3% Water Washout**

**Superior Wear Protection**

**Zero Oil Separation**

**Adhesive/Cohesive**

*"We are dedicated to many things everyday, but none is more important than taking the time to educate people on the importance of choosing a quality grease. When you look at the impact grease has on equipment and the day to day productivity of an operation, it is important to note that all critical information is available for wise choices to be made."*

RED MAX is a product that has been a cornerstone of our success for more than fifty years. The calcium based grease was designed for the harshest applications found in the drilling industry. By developing a product to work in wet and extremely loaded applications, we offer a product that will outperform most every grease in any application. Four primary areas are critical when choosing a grease; water washout, wear protection, load capacity and oil separation.



Why are you using the grease you're currently using? If "staying in place" is a top priority, RED MAX is the grease for you. Superior load capacity, increased resistance to moisture and zero bleed all mean you will use less grease and protect equipment better.

# RED MAX

## Product 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            |
| <b>Maximum Operating Temperature</b>         | <b>250 °F</b>      | <b>250 °F</b>     |
| 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               |
| <b>Timken OK Load (ASTM D-2509)</b>          | <b>100 lb. Min</b> | <b>80 lb. Min</b> |
| Unit Load, PSI                               | 29,000             | 29,000            |
| 4 Ball EP Test (ASTM D-2596)                 | 315 Weld           | 315 Weld          |
| <b>4 Ball Wear Test (ASTM D-2266)</b>        | <b>.33 mm</b>      | <b>.33 mm</b>     |
| Relative Pumpability @ 0F., 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           |
| <b>Water Washout @ 79°C (ASTM D-1264)</b>    | <b>1.3%</b>        | <b>1.3%</b>       |

Sharing lubricant knowledge and delivering the highest quality products, two things we promise our customers. The difference will change how you view, purchase and utilize greases and oils from here forward.

*Family owned and operated since 1926.*



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