



MOLY PARAGON 3000

◆ Versatile and Cost Efficient

MOLY PARAGON 3000 is an extreme pressure, multi-purpose, calcium-lithium complex base grease that is specially formulated for use in industries with applications that experience extreme conditions such as high shock loading, high heat, moisture, or areas where stability is needed. It is excellent for use on bearings, pins, bushings, cam and slide mechanisms, universal joints, chains, and chassis points. MOLY PARAGON 3000 is compatible with most greases, meaning that it can help to reduce inventory requirements by completely replacing inferior greases.

◆ Formulated with Molybdenum Disulfide

To provide the ultimate protection against metal to metal contact, a minimum of 5% molybdenum disulfide is added to the already superior formulation of MOLY PARAGON 3000. When molybdenum disulfide is plated out on metal surfaces, it is able to withstand pressure of up to 500,000 psi. The added protection of molybdenum disulfide helps MOLY PARAGON 3000 to reduce scuffing, wearing and friction; thus enabling bearings to run cooler and last longer.

◆ Extreme Pressure and Excessive Wear Protection

MOLY PARAGON 3000 has a Timken OK Load Rating of 80 pounds minimum, affording ample protection to equipment that is subjected to repeated heavy shock and loads, while also providing protection at lower loads. The molybdenum disulfide provides unparalleled levels of protection against scoring on surfaces that turn, slide, or have an oscillating motion where heavy shock or loads are present. Because of the adhesive and cohesive nature of MOLY PARAGON 3000, the grease resists squeezing out and thinning down under severe loads. This characteristic protects against downtime.

◆ Resists Water Contamination

MOLY PARAGON 3000 performs best when presented with extreme operating conditions. MOLY PARAGON 3000 not only resists being washed away, but displaces water on metal surfaces, keeping the surface free of rust and corrosion. MOLY PARAGON 3000 will retain its extreme pressure protection in the presence of up to 20% water, making it an ideal grease for trenching and construction, paper mills, and water treatment plants where excessive moisture is present.

◆ Expanded Operating Temperature Range

The formulation of MOLY PARAGON 3000 offers protection against extreme heat with a dropping point of 630°F. Though many lithium base greases may have a dropping point around 500°F, they typically have operating temperatures in the 300°F range. MOLY PARAGON 3000 does not sacrifice that much in operating temperature, as the maximum recommended operating temperature is 570°F. MOLY PARAGON 3000 will not cake up in lines or bearings at high heat.



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SPECIFICATIONS

Product Code	# 108504	# 108505
NLGI Consistency	No. 1 Grade	No. 2 Grade
Penetration: Worked 60 Stroke Control Range (ASTM D217-52T)	310-340	265-295
Color	Gray	Gray
Dry Film Lubricant	Molybdenum Disulfide, 5% Minimum	Molybdenum Disulfide, 5% Minimum
Texture	Stringy	Stringy
Dropping Point, °F (ASTM D-2265)	630°F Typical	630°F Typical
Maximum Recommended Operating Temperature	570°F	570°F
Extreme Pressure by Timken OK Load Passing At (ASTM D-2509)	80 pounds Minimum	80 pounds Minimum
Stability by Penetration (typical).... after 100,000 worked strokes (ASTM D217-52T)	312	266
Unit Load, PSI	29,000	29,000
4 Ball EP Test (ASTM D-2596)	500 kg Weld Point	500 kg Weld Point
4 Ball Wear Test (ASTM D-2266)	0.25 mm	0.25 mm
Water Washout @79°C (ASTM D-1264)	0.65%	0.65%
Oil Separation (ASTM D-1742)	0.00%	0.00%
Automotive Wheel Bearing	Pass	Pass
by Leakage Tendencies (ASTM D-1263-52T)	No Leakage, No Varnish	No Leakage, No Varnish
Oxidation of Grease by Bomb Test Drop (ASTM D-942)	Less than 5 PSI pressure drop for 500 hours	Less than 5 PSI pressure drop for 500 hours
Copper Corrosion Test	Pass	Pass
Pumpability in Hand Operated Grease Gun (ASTM D-1264)	Slow at -15°F	Slow at -5°F

Handling information: For safe handling of the product, read the Safety Data Sheet (SDS).

MOLY PARAGON 3000® is a registered trademark of Texas Refinery Corp.

TEXAS REFINERY CORP

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