



Rykon® EP 2 M5

Premium Performance Extreme Pressure Moly Grease

Product Data Sheet



Customer benefits

Rykon EP 2 M5 greases deliver value for the off-road construction and mining industries by offering:

- **Extreme pressure high-load carrying capacity** - Protection against shock loading, thus promoting long bearing life
- **Excellent corrosion and wear protection** - Especially in wet conditions
- **Excellent water resistance** - Good resistance to wash-out of bearings in submerged or direct spray situations
- **Excellent high temperature stability** - Offers lasting bearing protection
- **Outstanding low temperature pumpability** - Easy handling in the container and grease dispensing equipment

Applications

- Rykon EP 2 M5 greases are designed for extreme duty in a wide variety of on-highway and light duty off-road vehicle and equipment applications.
- Off-Road Construction - These greases display outstanding water washout and spray-off resistance properties in wet, off-road environments and offer excellent shock load extreme pressure (EP) protection. Unique additive technology of these products makes them tenacious at adhering to metal surfaces found in this industry while protecting these vital components from rust and corrosion.
- Applications for the product include most types of heavy-duty earth moving machinery, including tractors (dozers), excavators, backhoes, shovels, high lifts, articulated loaders, haul trucks, tri-axle dumps and more. They are excellent for heavily loaded machine implement pins and bushings, and other applications operating in severe, high shock load environments where metal to metal contact wear often occurs. They also meet Caterpillar recommendations for greases containing 5% molybdenum disulfide.
- Light Duty Off-Road Vehicles - Whether the application is in logging, agriculture or utilities, these greases will perform. Use them in tractors, cherry pickers or any of a number of light duty off road vehicles.

Performance standards

- Rykon EP 2 M5 greases are approved for the NLGI Certification Mark GC-LB.



Product features:

- **Rykon EP 2 M5** features a boost of 5% moly product to meet the demands of OEMs of off-road applications. They feature great shock loading and provide anti-weld protection.
- **Rykon EP 2 M5** greases utilize an overbased calcium complex thickener system that produce multipurpose, high-performance products that protect against corrosion, wear, have high dropping points and good thermal stability.
- They are specially formulated for plain and anti-friction bearing applications operating under high stress/high load and wet conditions typically found in heavy duty off-road applications.
- This line of grease was specifically designed to lubricate and protect equipment that is subjected to demanding conditions.

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Our Family of Brands

Typical test data

RYKON® EP 2 M5	TEST METHOD	RESULTS
Product Code	ASTM	540948
Operating Temperature, °C(°F)		
Minimum ^a		-20(-4)
Maximum ^b		177(350)
ISO Viscosity Grade Base Oil Equivalent		460
Base Oil Viscosity Kinematic	D445	
cSt at 40°C		460
cSt at 100°C		31
Base Oil Viscosity Index	D2770	97
Thickener Type		Calcium Sulfonate Complex
Penetration, at 25°C Worked (60 strokes)	D217	280
Dropping Point, °C	D2265	308
Four Ball	D2596	
Weld Point, kg		800
Load Wear Index, kg		111
Four Ball Wear Scar, mm	D2266	0.43
Timken OK Load, lb	D2509	75
Copper Corrosion 3h at 1000C	D4048	1b
Bearing Rust	D1743	Pass
Salt Fog Test, hrs	B117	>1000
Water Washout, wt% loss at 80°C	D1264	2.5
Water Spray-off, wt% at 38°C	D4049	29
Flow Pressure at -20°C, mbar	DIN 51 805	1103
Oil Separation, wt%	D1742	0.0
Molybdenum Disulfide Content,%		5
Texture		Tacky
Color		Grey/Black

- a. Minimum operating temperature is the lowest temperature at which a grease, already in place, could be expected to provide lubrication. Most greases cannot be pumped at these minimum temperatures.
- b. Maximum operating temperature is the highest temperature at which the grease could be used with frequent (daily) relubrication.

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended.

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For more information, go to www.chevronlubricants.com

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