Rykon HD 2

Premium Performance Long Life Grease

Product description

Rykon® HD 2 is designed for use in demanding applications in wet environments. This product performs similarly to Rykon EP, but the heavier viscosity can help provide protection for higher loads and at slower speeds. This product does not contain moly.

Customer benefits and product features

Customer benefits

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

- **Extreme pressure high-load carrying capacity**
  Helps provide protection against shock loading and contributes to longer bearing life.
- **Corrosion and wear protection**
  Helps provide protection against corrosion and wear, especially in wet conditions.
- **Water resistance**
  Good resistance to wash-out of bearings in submerged or direct spray situations.
- **High temperature stability**
  Helps provide lasting bearing protection.
- **Low temperature pumpability**
  Supports easy handling in the container and grease dispensing equipment.

Product features

Rykon HD 2 greases utilize an overbased calcium complex thickener system to help provide protection against corrosion and wear, along with high dropping points and good thermal stability. They are designed 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 is designed to lubricate and help protect equipment subjected to demanding conditions.

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Applications

Rykon HD 2 greases are designed for a wide variety of heavy-duty on-highway applications and light-duty off-road vehicle and equipment applications.

Off-Road Construction

These greases provide water washout and spray-off resistance in wet, off-road environments and help provide shock load extreme pressure (EP) protection. The additive technology of these products helps them adhere to metal surfaces found in the off-road construction industry while helping to protect these components from rust and corrosion.
Applications for these greases 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 suitable 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.
Rykon HD greases are suitable for kingpins, bushings and bucket pins, 5th wheels and other severe-duty applications found on these types of vehicles.

Light Duty Off-Road Vehicles

These greases have applications in logging, agriculture and utilities. They can be used in tractors, cherry pickers or a range of light-duty off-road vehicles.

Approvals, performance and recommendations

Rykon HD 2 greases are approved by the National Lubricating Grease Institute (NLGI) for the NLGI GC-LB Certification mark.

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Typical test data

RYKON HD 2		
Product Code		**540947**
Operating temperature, °C (°F)		
Minimum[a]		-20(-4)
Maximum[b]		177(350)
ISO Viscosity Grade Base Oil Equivalent		460
Base Oil Viscosity, Kinematic		
cSt @ 40°C	ASTM D445	460
cSt @ 100°C	ASTM D445	31
Base Oil Viscosity Index	ASTM D2770	97
Thickener Type		Calcium Sulfonate Complex
Penetration, at 25°C Worked (60 stroke)	ASTM D217	280
Dropping Point, °C	ASTM D2265	306
Four Ball		
Weld Point, kg	ASTM D2596	800
Load Wear Index, kg	ASTM D2596	105
Four Ball Wear Scar, mm	ASTM D2266	0.43
Timken OK Load, lb	ASTM D2509	65
Copper Corrosion 3h at 100°C	ASTM D4048	1b
Bearing Rust	ASTM D1743	Pass
Salt Fog Test, hrs	ASTM B117	>1000
Water Washout, wt% loss at 80°C	ASTM D1264	1.5
Water Spray-off, wt% at 38°C	ASTM D4049	26
Flow Pressure at -20°C, mbar	DIN 51 805	1063
Oil Separation, wt%	ASTM D1742	0.0
Molybdenum Disulfide Content,%		-
Texture		Tacky
Color		Tan

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Typical test data *cont…*

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.

ENVIRONMENT, HEALTH, and SAFETY. Information is available on this product in the Safety Data Sheet (SDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions, and comply with laws and regulations concerning product use and disposal. To obtain an SDS for this product, visit the Product Information Center.

This Product Data Sheet (PDS) was produced for the Asia-Pacific region in good faith from the best information available at the time of issue. The specific information included may not directly reflect the local market or conditions. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. For the most up-to-date, country-specific information, please contact your local customer service center.

Customers should always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

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