HERSCHELL RED RUBBER GREASE

TECHNICAL DATA SHEET
V.01/2024
301

A vegetable oil based grease for the lubrication of systems and components incorporating rubber components where a mineral based grease cannot be used.

DESCRIPTION

HERSCHELL RED RUBBER GREASE is manufactured using highly refined vegetable / natural base oils which are carefully selected and then blended to produce a stable foundation for the grease. This base oil foundation allows the product to perform in applications where medium loads and speeds are typical.

HERSCHELL RED RUBBER GREASE is manufactured using a lithium calcium thickener resulting in a buttery appearance with excellent shear stability characteristics. In addition, this type of thickener is easily pumped, has a moderate resistance to heat and is exhibits excellent water resistance. The optimal operating conditions for this grease in terms of temperature, is from -30 to 130 degrees celcuis, however short periods of elevated temperatures can be tolerated without severe damage to the product.

HERSCHELL RED RUBBER GREASE is manufactured to a NLGI 3 grade resulting in a grease of medium consistency. The product contains a blend of synthetic tackifiers, increasing it's ability to resist water and adherence with all surfaces.

HERSCHELL RED RUBBER GREASE is red in colour and whose formulation excludes extreme pressure (EP) additives, however is fortified with anti-oxidants, anti-wear and anti-rust additives.

KEY ADVANTAGES

Thermal stability	Very good thermal stability allowing the grease to perform for short periods of time under extreme temperatures, regaining its original texture after cooling to ambient temperature.
Mechanical stability	Allows for long periods of storage or non-use in the application without and mechanical breakdown of the grease thickener (e.g. oil separation)
Anti-corrosive properties	Exhibits very good to excellent anti-rust and anti-corrosion properties.
Water resistant	The thickener has very good natural attributes which displace and resist water ingress.
Heat resistant	Exhibits excellent resistance to heat.

TYPICAL APPLICATIONS

For lubrication of components where the hardening or swelling of the rubber must be avoided.
For use when assembling hydraulic brake, clutch and suspension (e.g. o-rings, valves, diaphragms, cups and seals)
For the assembly of natural and synthetic rubber components in automotive brake/clutch systems, suspension units and hydraulic systems.
Compatible with all plastics and natural and synthetic rubbers.
General recommendation - avoid contamination of the grease by dust, moisture and/or dirt when applying the product.

TYPICAL TECHNICAL CHARACTERISTICS

DESCRIPTION	METHOD	UNITS	RESULT
NLGI Grade	ASTM D 217		3
Thickener Type			Lithium Calcium
Colour	Visual		Red
Appearance	Visual		Buttery, Tacky
Penetration	ASTM D 217	0.1mm	235
Dropping Point	ASTM D 2265	°C	190
Viscosity of Oil @ 40°C	ASTM D 2983	cSt	200
4-Ball Wear Test Scar	ASTM D 2266	mm	na
4-Ball Weld Load	ASTM D 2596	kg	na
Timken OK Load	ASTM D 2509	lb	na
Corrosion Prevention	ASTM D 1743		Pass
Copper Strip Corrosion	ASTM D 4048		1B

The above are average values. Minor variations which do not affect product performance are to be expected in normal manufacturing.

SPECIFICATIONS

ASTM D-5864 / CEC L-33-T-82
KP3M-30 (DIN 51825)
ISO-L-X-CCIB3 (ISO 6743-9)

PACKAGING

500g Tubs (12 per box)
4.5kg Plastic Pail
15kg Steel pails
18kg Plastic pails
50kg Steel drums
180kg Steel open top drums

COMPATIBILITY

Mixing greases in a system can cause issues with thickener systems reacting with each other, changing the physical and chemical structure of the grease, causing an inability to hold or release base oil. Proper care must be taken to ensure compatibility when changing from one grease system to another.
This is grease is not compatible with greases making use of the following thickener types: barium, bentonite clay, aluminium complex and polyurea. There is a borderline compatibility with calcium and sodium thickeners. Care must be taken to ensure the application is properly cleaned before using this product if a borderline or non-compatible product has been used before.

ENVIRONMENT, HEALTH and SAFETY

This product is classified under the OECD 301B Modified Sturm, ASTM D-5864, and CEC L-33-T-82 standards as being readily biodegradable (i.e. rapid and complete mineralization in 28 days). Information is available on this product in the Material Safety Data Sheet (MSDS). Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. This product contains no PCB's (Polychlorinated Biphenyls).

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