

Anderol[®] FGCS-2 HD

Anderol[®] Food grade greases

Description

H1 Synthetic Heavy Duty Food Grade Grease

Anderol[®] FGCS-2 HD is an over-based Calcium Sulfonate based grease developed with patented technology. This is characterized by exceptional mechanical stability, high load carrying performance, reduced wear and excellent resistance to water and corrosion.

Anderol[®] FGCS-2 HD has a NSF/H1 registration, and meets the lubrication requirements of equipment operating in food processing plants. This product is certified Kosher by the Orthodox Union and Halal by the Islamic Food Council of Europe.

Anderol[®] Food Grade Lubricants meet the requirement of the FDA regulation 21 CFR 178.3570.

Anderol[®] FGCS-2 HD may be handled using conventional grease handling and dispensing methods.

Features and Benefits

- Superior mechanical stability, particularly in the presence of heat and water.
- Excellent resistance to water washout and spray-off.
- Excellent rust prevention properties.
- Excellent thermal and oxidation stability.
- Excellent load carrying ability and wear protection.
- Resistant to shock load.
- H1 grease for incidental contact with food.

Compatibility

Anderol[®] synthetic hydrocarbon based lubricants are similar to mineral oils in their compatibility with paints, seals, gaskets and hoses. No special precautions related to compatibility are required when changing over from a mineral oil lubricant to an **Anderol[®]** synthetic hydrocarbon based lubricant.

Handling & Storage

Anderol[®] lubricants generally present little hazard in normal handling if ordinary care is exercised. If spilled, cover with inert, absorbent material and remove. Flush the area with water.

Although **Anderol[®]** lubricants are not highly flammable, they will burn and should be kept away from open flames. In case of fire, use water spray, foam, carbon dioxide, or dry chemical.

Anderol[®] lubricants should be stored preferably in protected locations to prevent contamination. Do not re-use drums; flush and send to re-conditioner.



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Technical data*

| PROPERTY | METHOD | ANDEROL FGCS-2 HD |
|---|-----------------|--------------------------------------|
| Color | visual | Tan |
| Thickener | | Ca-Sulfonate |
| Type of Base Oil | | PAO |
| Operating temperature for long-term lubrication | ASTM D-2265 | -30 to +175°C |
| Short time admissible temperature peak value | ASTM D-92 | +200°C |
| Dropping Point | ASTM D-97 | 318°C |
| Base Oil Viscosity @ 40°C | ASTM D-445 | 400 |
| 4-Ball test welding load | ASTM D-2596 | 400 |
| 4-Ball Wear, mm | ASTM D-2266 | 0.50 |
| Water Washout, % lost @ 80°C | ASTM D-1264 | 0.5 |
| Bearing Life Performance, hours @ 1000 rpm, 160°C | ASTM D-3527 | 260 |
| NLGI Grade | | 2 |
| Mechanical Stability, % Change @ 10000 Strokes | ASTM D-217 | 4.5 |
| Salt Fog Corrosion, hours | ASTM B-117 | >300 |
| Fe-8 (80 kN, 75 rpm, 500 h, 80°C) | DIN 51819 T1-T3 | Low wear of rollers, rings and cages |
| Wear outer ring | | 8 |
| Wear inner ring | | 3 |
| Wear cage | | 6 |
| Wear rollers | | 17 |

*The analytical data are guide values.



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Consult safety data sheet (SDS) for additional handling information on **Anderol[®] FGCS-2 HD**

This product is NSF H1, Kosher, Halal registered.

For registrations, certificates and approvals please refer to anderol.com

® = registered trade mark

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