

Technical Data



Performance you can trust

SAPPHIRE® Aqua 2

Multi-purpose water resistant EP bearing grease

Product Overview

ROCOL® SAPPHIRE Aqua 2 is a high performance, Extreme Pressure water resistant bearing grease designed for the effective lubrication and protection of all types of ball, roller and plain bearings.

SAPPHIRE Aqua 2 is ideal for applications subjected to damp, humid or wet conditions including submerged conditions.

Features and Benefits

- Very good temperature resistance – ranging from -20°C to +150°C.
- Excellent resistance to water, including salt water ensuring components are protected even in submerged conditions.
- Aluminium complex soap technology and EP additives provide outstanding high load, Extreme Pressure performance superior to standard soap thickened lubricants.
- SAPPHIRE Aqua 2 has good resistance to oxidation, providing extended lubrication intervals whilst reducing equipment failure, downtime and lubricant usage.
- Excellent corrosion resistance to protect in humid, damp and even wet conditions.
- The tacky nature of SAPPHIRE Aqua 2 ensures it adheres strongly to components to resist water wash-off and even tidal flow in salt water environments.

Directions for Storage and Use

- SAPPHIRE Aqua 2 can be applied manually, by grease gun, keg pump or by other methods suitable for an NLGI No. 2 grease.
- Compatible with other soap thickened greases. However, for best results the previous lubricant should be removed prior to application.
- The storage temperature should be controlled between +1°C and +40°C.
- Shelf life is 3 years from date of manufacture.

Typical Applications

SAPPHIRE Aqua 2 is designed for all types of ball, roller and plain bearings found in all types of damp, humid or wet industrial applications. Particularly suitable for use in salt water environments.

SAPPHIRE Aqua 2 is ideal for all industries where a high performance, water resistant lubricant is required such as water treatment, quarries, marine, docks, agriculture, construction, textile, and most other industries.

SAPPHIRE Aqua 2 excels in applications such as scrapers, rakes, dockside cranes, water pumps, boat trailers and similar applications where bearings, pins, bushes, slides etc. are subjected to extreme wet conditions.

Pack Sizes

| Pack Size | Part Code |
|----------------|-----------|
| 380g cartridge | 12751 |
| 4kg | 12755 |
| 18kg | 12754 |
| 50kg | 12758 |

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BS EN ISO 9001
Certificate No. FM 12448



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| Property | Test Method | Result |
|--------------------------------------|----------------------------|---|
| Appearance | Visual | Translucent, brown, tacky grease |
| NLGI No. | IP 50 – ASTM D217 | 2 |
| Base Type | N/A | Severely refined mineral oil |
| Base Fluid Viscosity at 40°C | IP 71 | 120cSt |
| Base Fluid Viscosity at 100°C | IP 71 | 11cSt |
| Thickener | N/A | Aluminium complex soap |
| Temperature Range | N/A | -20°C to +150°C |
| 4-Ball Weld Load | IP 239 – ASTM D2596 | 315kg |
| Timken 'OK' Load | IP 326 – ASTM D2509 | 45 lb |
| Emcor Corrosion Test | IP 220 | 0:0 |
| Copper Corrosion Test | IP 112 – ASTM D130 | 1b |
| Water Washout Test | IP 215 – ASTM D1264 | 1.7% |

Values quoted above are typical and do not constitute a specification.

Safety Data Sheets

Safety data sheets are available for download from our website www.rocol.com or may be obtained from your usual ROCOL contact.

The information in this publication is based on our experience and reports from customers. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

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