

QUALITY LUBRICATES.



QUALITY WORKS.

LANXESS
Energizing Chemistry

Success Story Anderol® FGCS 2 **Effective Grease Lubrication in Borehole Drilling.**

A water supply company in the UK is actively excavating new boreholes to tap into subterranean water sources. The drilling process involves utilizing a drill string composed of interconnected drill rods, primarily designed to facilitate rotary motion. These rods feature a thread box at one end and a thread pin at the other, facilitating their connection to extend the drilling apparatus.

The situation

Effective grease lubrication of the thread boxes is essential to mitigate friction and enable the seamless assembly of drill rods. Borehole drilling is a heavy-duty application that includes environmental challenges such as the presence of sand, dirt, water, and substantial loads and pressures.

Food Grade Grease

The grease used to lubricate the drill rods should be water-resistant, be able to endure the heavy loads and be NSF H1 certified. This certification is particularly important as it confirms the grease's safety for use in an environment where the water extracted is intended for consumption.

The solution

Our local distributor advised the Anderol® FGCS-2 grease to lubricate the drill rod threads. Anderol® FGCS-2 is an over-based calcium sulfonate complex-based grease with exceptional load-carrying ability, excellent mechanical stability, water resistant and good resistance to oxidation and corrosion.

Benefits Anderol® FGCS-2

- Formulated to resist separation under centrifugal forces
- Superior mechanical stability, particularly in the presence of water
- Excellent rust prevention properties
- Excellent load-carrying ability and wear protection
- Resistance to water washout

X Anderol®



LANXESS
Energizing Chemistry

Anderol BV
Groot Egtenrayseweg 23
5928 PA Venlo
The Netherlands

www.anderol.com
info@anderol.com
+31 (0)77 3960340

This information and our technical advice – whether verbal, in writing or by way of trials – is subject to change without notice and given in good faith but without warranty or guarantee, express or implied, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to verify the information currently provided – especially that contained in our safety data and technical information sheets – and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General Conditions of Sale and Delivery.

Unless specified to the contrary, the values given have been established on standardized test specimens. The figures should be regarded as guide values only and not as binding minimum values. Kindly note that the results refer exclusively to the specimens tested. Under certain conditions, the test results established can be affected to a considerable extent by the processing conditions and manufacturing process.

©2024 Anderol

Anderol LANXESS and the LANXESS Logo are trademarks of LANXESS Deutschland GmbH or its affiliates. All trademarks are registered in many countries in the world.