

HYDRASPEED II

ANTICRETE LUBRICANT

APPLICATIONS

- All types of water-based drilling systems
- Highly deviated, extended-reach, or horizontal wells

ADVANTAGES

- Reduced torque and drag on the drill string
- Compatible with all types of water-based muds
- Low foaming potential
- Decreased tendency for cuttings accretion
- Approved for use in offshore applications
- Low pour point, making it suitable for use in cold climates

LIMITATIONS

- Can grease in mud systems with pH levels greater than 11
- May slightly lower the pH of water-based muds

The HydraSpeed II* anticrete lubricant can be used in all types of water-based drilling systems when drilling highly deviated, extended-reach, or horizontal wells. It lowers the coefficient of friction, achieving significant reductions in torque and drag levels. By treating the system with the appropriate concentration, the potential for differential sticking can also be reduced.

The recommended treatment range varies from 1% to 3% by volume. Depending on the desired reduction of the coefficient of friction, the fluid density, and the mud system, higher concentrations of the lubricant may be required. Pilot testing is recommended to determine the appropriate treatment for each specific application.

Additional and periodic treatments should be carried out to maintain the concentration within the optimal range. Factors such as ROP, solids-control equipment efficiency, and dilution rates will dictate the frequency of treatments and the amount of product to be applied to the mud system.

HydraSpeed II lubricant is easy to mix and can be added to the mud system through the mixing hopper or directly to the system surface in pits where good agitation is available.

TOXICITY AND HANDLING

Bioassay information is available on request. Handle as an industrial chemical, wearing protective equipment and observing the precautions as described in the SDS.

PACKAGING AND STORAGE

HydraSpeed II lubricant is packaged in a standard-pack 55-galUS [208-L], net 456-lb [206.8 kg], or 264-galUS [1,000-L] one-way totes. Other pack units are available on request. Keep containers tightly closed in a dry, cool, and well-ventilated place

TYPICAL PHYSICAL PROPERTIES

Physical appearance	Clear liquid
Relative density	-0.83
Flash point	178 degF [81 degC]
Pour point	<-4 degF [-20 degC]