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# AquaVisc-HDD

AquaVisc-HDD is a polysaccharide based viscosifier designed to be used in horizontal directional drilling applications. As a rapidly hydrating polymer, it is a functional and economically favorable alternative to xanthan.

## Preparation for Use

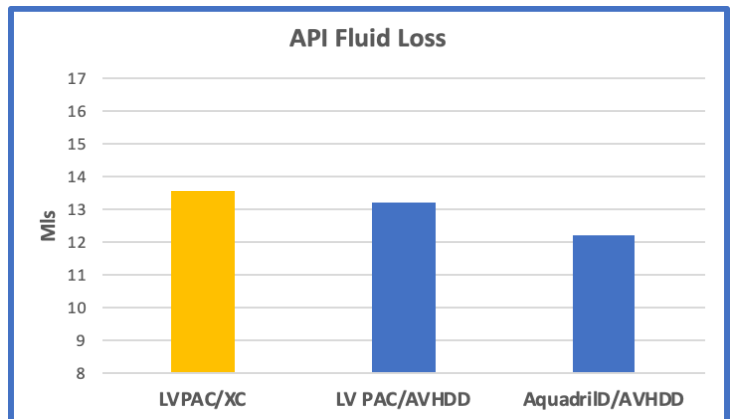
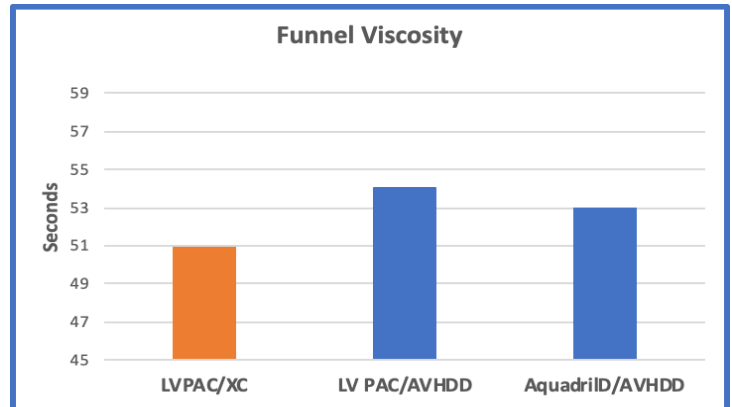
AquaVisc-HDD can be used with all HDD slurries and can be added along with other dry additives. When pre-mixed, vigorous low shear mixing or high shear mixing is helpful in preventing the typical lumping associated with highly water soluble materials. It can be used 1:1 to replace xanthan.

## Benefits of Use

When used with untreated bentonite and CMC or LVPAC for fluid loss, AquaVisc HDD produces superior funnel viscosity when compared with a xanthan formulation. When combined with AquaSol’s Aquadril fluid loss agent, the AquaVisc-HDD also exceeds the viscosity produced by a xanthan formulation.

Unlike xanthan, AquaVisc-HDD also contributes to fluid loss and when combined with Aquadril D, produces superior fluid loss when compared with xanthan and LV PAC or CMC formulations.

Coupled with performance advantages, AquaVisc-HDD provides economically favorable price point compared with xanthan.



## Environmental

Based on a bio-polymer, AquaVisc-HDD is fully biodegradable after use, but maintains its performance throughout the drilling process. NSF ANSI 60 approval is pending.

### Typical Characteristics

- Appearance Off White to tan powder
- Ionic Character Anionic
- Moisture <12%
- pH <10
- Density 1.3

### Applications

- Oil and Gas Drilling
- Horizontal drilling

### Environmental

- Fully biodegradable

### Packaging and Product Form

- 50 lb paper sacks
- 25 lb pails (dry)