

# ESL HDD<sup>†</sup>



## BENEFITS

Boosts viscosity while maintaining unique shear thinning properties to the EnerSEAL HDD<sup>†</sup> system

Stabilizes system from contaminants and minimizes dilution requirements

NSF Certified



## APPLICATIONS

EnerSEAL HDD drilling fluid system for horizontal direction drilling/trenchless applications

Typical treatment added at a ratio of 1:8 to 1:4 by weight with ESM HDD.



## PHYSICAL PROPERTIES

- Appearance: White/off-white, or gray powder
- Bulk Density: 36 - 42 lb/ft<sup>3</sup>
- Dispersion: Forms a cloudy dispersion in water

ESL HDD is a proprietary mix of metal oxides, conditioners, and control agents used as a supplemental treatment with ESM HDD to increase viscosity in the EnerSEAL HDD system.



ESL HDD is used to elevate viscosity in the EnerSEAL HDD system

## TREATMENT RECOMMENDATIONS

ESL HDD is a dry powder used to maintain the EnerSEAL HDD system. It is added at a ratio of 1:8 to 1:4 by weight with ESM HDD<sup>†</sup> to boost system viscosity.

ESL HDD is mildly hygroscopic, meaning a slight reduction in activity will occur over time in high humidity environments. Pilot test anionic products or thinners with EnerSEAL HDD prior to addition.

## PACKAGING AND HANDLING

ESL HDD is available in 50 lb multi-walled sacks. Handle ESL HDD as an industrial chemical, wearing protective equipment and observing precautions as described in the Safety Data Sheet (SDS).





# **AES DRILLING FLUIDS**

[www.aesfluids.com](http://www.aesfluids.com)

☎ Phone : 281 556 5628

✉ Email : [info@aesfluids.com](mailto:info@aesfluids.com)

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