

N-VIS[®] HI PLUS

VISCOSIFIER

Product Description

N-VIS[®] HI PLUS viscosifier is a mixed-metal hydroxide complex that increases the yield of AQUAGEL GOLD SEAL[®] viscosifier. N-VIS HI PLUS viscosifier is only suitable for use in freshwater in conjunction with Bentonite viscosifiers. Depending on the quality of the Bentonite, N-VIS HI PLUS viscosifier is used at a rate of approximately 10-12 : 1 ppb of Bentonite to N-VIS HI PLUS viscosifier. It is used in the MAXDRIL-N[®] fluid system where it effectively reduces the amount of AQUAGEL GOLD SEAL viscosifier needed to provide hole-cleaning capabilities. N-VIS HI PLUS viscosifier is also valuable for use in milling operations where local high fluid temperatures can break down polymer viscosifiers and Bentonite extenders. Compared to N-VIS HI viscosifier, N-VIS HI PLUS viscosifier typically gives improved low shear rheology performance.

Applications/Functions

- » Helps maintain excellent hole-cleaning during milling operations
- » Helps remove large cuttings or formation pieces from drilling rubble or fractured zones
- » Can be formulated in freshwater, seawater, sodium chloride brine (up to 20%) and Calcium chloride brine (Up to 10%)

Advantages

- » Helps provide high yield points and high low shear rheological properties
- » Helps provide equivalent shale stability to mixed metal silicate

Typical Properties

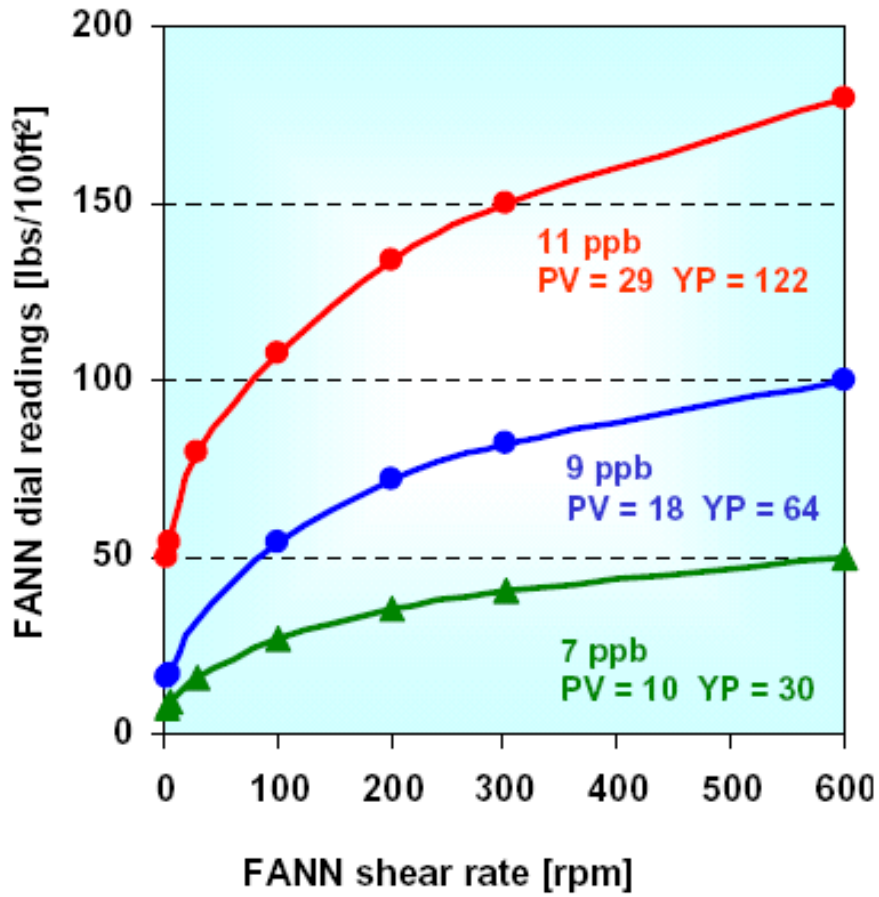
- » Appearance: Free flowing off-white powder

Recommended Treatment

Add 0.9 lb/bbl (2.6 kg/m³) to a fluid containing 9 lb/bbl (25.7 kg/m³) pre-hydrated AQUAGEL GOLD SEAL viscosifier. Note that N-VIS HI PLUS viscosifier should not be used with lower quality treated bentonites. For optimum results the pH should be raised using sodium hydroxide to 10 – 11. Lime or BARABUF[®] pH stabilizer should not be used for pH adjustment. Do not treat fluids containing N-VIS HI PLUS viscosifier with anionic polymers as these will destroy the viscosity. Build fluid in freshwater and then add any brine salts required.

Packaging

N-VIS HI PLUS viscosifier is packaged in 25-lb (11.3-kg) sacks.



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