



Technical Data Sheet

JET BLACK

Product Description

JET BLACK is a liquid gilsonite dispersion which has been formulated as a Shale Stabilizer/lubricant; it finds applications in water based muds when drilling through fractured shales and varying un-agglomerated formations. JET BLACK seals the micro-fractures and stabilizes the formation reducing dynamic fluid loss and minimizes the potential for differential sticking as a result of lost circulation and other downhole conditions. Anti-accretion and fluid lubricity are additional benefits that come when using the JET BLACK product. JET BLACK is environmentally acceptable.

Applications: JET BLACK liquid gilsonite is formulated to be used in most water-base systems therefore it is extremely effective in lignosulfonate, potassium and PHPA mud systems. The readily dispersible nature of the product allows high concentrations to be added easily to the mud system. The product contains chemical components that aid in lubricity, inhibition, and stable mud conditions with increased hole cleaning. JET BLACK is temperature stable to 425°F (218°C) and reduces API, HTHP, dynamic filtration, spurt loss values and reduces the potential for differential sticking. JET BLACK works best when added to the mud system before encountering known trouble zones. It can be added directly to the system through the mud hopper or pumped directly into the suction pit.

Treatments: An initial treatment of 2 ~ 5% by volume (7-17.5 lb. /bbl.) is recommended to achieve optimum results. Add product directly to active mud hopper or mud tanks. Maintain the percentage of JET BLACK to the active system by accounting for fluid loss or fluid feed resulting in the dilution of the JET BLACK.

KEY BENEFITS

- Improves wellbore stability, shale inhibition, and lubricity.
- Improves HTHP filtration control.
- Reduces filter-cake build up in depleted sands.

Key Properties

Color	Black Viscous
Physical Form	Liquid
Sg	1.0288
Temp stability	425 °F