

FRB-661

Flow Improvement Additive

Performance & Application

FRB-661 is a proprietary oil soluble blend used for flow improvement in oil or oil/water combined transmission lines.

FRB-661 is a finished product and should be pumped as is, without dilution.

FRB-661 alters flow so that turbulence is mitigated. By altering flow from turbulence, friction pressure is reduced, thus requiring less horsepower to transport fluid. It follows that if horsepower is available, more fluid may be transported with the use of FRB-661.

FRB-661 also incorporates a unique type of chemistry that provides cleaning capability in transmission lines. This wall cleaning helps remove mobile fines or accumulation of hydrocarbons, which would act as a turbulent inducer and/or shearing device for typical polymeric drag reducers.

FRB-661 is not shear sensitive, thus only one injection point is necessary with multiple pump sites on a single line.

FRB-661 can be utilized for multiple applications, including but not limited to production streams, flowlines, and crude transmission lines. FRB-661 can be used in extreme cold conditions, such as ocean floors, without an increase in viscosity.

Add rates vary due to the transport medium, but a typical starting point is 100 ppm, and adjusted up or down based on desired results.

Typical Properties

Specific Gravity = 0.72 - 0.80

Characteristics = Water white liquid with a slight solvent odor

Shipping & Handling

FRB-661 is available in 5 gallon pails, 55 gallon drums, 330 gallon totes, and in bulk. A Material Safety Data Sheet outlining proper handling of this product is available upon request.