



enventives

VEN-LUBE I™

RECOMMENDATIONS

Ven-Lube I™ will reduce torque and drag in directional holes.

Ven-Lube I™ will reduce swelling and sloughing of sensitive shales.

Ven-Lube I™ will reduce balling of bits, stabilizers, and collars in gumbo type shales.

Ven-Lube I™ will reduce presence of mud rings.

Ven-Lube I™ is effective in freeing stuck drill pipe when mixed with water or oil.

Ven-Lube I™ will minimize differential sticking when run in conjunction with Ven-Fyber 201™. (See data sheet on Ven-Fyber 201™).

GENERAL INFORMATION

Ven-Lube I™ is a nonpolluting drilling fluid lubricant and shale control additive for water base mud systems. Ven-Lube I™ is based on a biodegradable vegetable oil. It is nonfluorescing and will not interfere with core and cutting analysis. VENLUBE I is readily dispersible in water.

PACKAGING

Ven-Lube I™ is packaged in 55 gallon drums and in 5 gallon plastic pails.

TYPICAL TREATING METHODS

A. Torque and Drag Problems

Add 0.5 to 2% by volume for torque and drag reduction. Maintenance is achieved by adding 0.5 to 1 drum per 24 hour period. Where fast hole is being made, it may be necessary to add up to 22 drums/24 hours. An increase in effectiveness and a reduction in maintenance quantities can be achieved by utilizing Ven-Lube I™ in conjunction with Ven-Fyber 201™. (See data sheet on Ven-Fyber 201™). Excessive torque and drag problems can be treated by sweeping 2 to 10 drums of Ven-Lube I™ downhole and slowly circulating the pill up the annulus.

B. Shale Control

Add 0.5 to 1.0% by volume for initial treatment. Maintenance will require 0.5 to 2 drums/24 hours depending on the severity of the shale problem and the amount of open hole.

C. Bit, Stabilizer, and Collar Balling

Add 0.5 to 2% by volume for initial treatment and follow with 0.5 to 2 drums/24 hour maintenance treatment. Sweep treatments wiped around in a concentrated slurry will improve the effectiveness of the treatment.

D. Differential Sticking

A standard initial treatment and maintenance program (see A, B, & C) for differential sticking will suffice for most problems. The addition of Ven-Fyber 201™ will reduce seepage loss and help concentrate the lubricant in the wall cake. (See Ven-Fyber 201™ data sheet).

E. Stuck Drill Pipe

Ven-Lube I™ can be spotted in its concentrated form (if density is not a safety consideration) across the zone where the drill pipe is stuck. Sufficient soaking time should be allowed while tension and torque (or jarring) is being applied to the pipe. Ven-Lube I™ can also be added in varying concentrations to either water or oil and spotted across the zone and allowed to soak.

TYPICAL PROPERTIES

Form	:	Oily liquid
Specific Gravity	:	0.88-0.92
Bulk Density, lb/cu ft	:	7.8
pH in Water (5%)	:	6-7
Solubility in Water	:	Highly dispersible
Solubility in Oil	:	Highly dispersible

PRECAUTIONS

See the Safety Data Sheet for more detailed information concerning storage, handling, transportation, disposal and safety requirements.