



# SOLIDSFREE 432

*Penetrates, solubilizes, lifts, and mobilizes deposited solids, and applies an adhesive lubricant boundary film to pump and tubular surfaces.*

SolidsFree 432 is a powerful proprietary formulation consisting of a cationic penetrant, lubricant, surfactant, and low aromatic solvent blend that removes all solids deposition, fluidizes asphaltenes and paraffins, and reduces viscosity of heavy crude. A thin adhesive lubricant boundary film is left behind on metal surfaces to reduce friction, torque, and fluid drag in all artificial lift systems. The product may also be used to stimulate production wells, and improve the flow efficiency of formation fluids.

## What It Does

- Positively Attracted to Metal Surfaces
- Penetrates, Lifts, and Mobilizes Scale
- Fluidizes Crystallized Paraffins & Asphaltene Precipitates
- Removes Deposited Solid Blockages from Production Tubing
- Applies Protective Lubricant Boundary Film on Metal Surfaces

## Benefits

- Remediates Organic Damage in Tubing, Perforation & Formation
- Improve Pump Efficiency
- Reduce Failures, Well Pulls, and Harsh Treatment Protocols
- Limits Organic Damage to Formation, Wellbore, and Perforations
- Increased Flow Rates
- Stimulate Wells after Long Periods of Shut Down
- Cost Effective with Positive ROI
- Downstream Treatment and Solids Control
- Reduces Iron and Sulphur Concentration in Oil Phase
- Reduces Surface and Interfacial Tension for Improved Demulsification
- Improve Water or Gas Injection Rates
- Primes ALS Equipment for Continued ALS Production Lubricant protocol
- One time or intermittent treatment of 1,000 to 4,000 PPM
- Restores Well Productivity by Stimulation
- Improves Formation Permeability
- Safer than Acid Washing Tubulars / no Change in pH
- Non-Reactive Organic Fluid Safe Downstream

