

SX-PLUS™

A SOLID SOLUTION FOR FLUID LOSS AT HIGH OR LOW TEMPERATURES

SX-PLUS™ provides a thermally stable fluid loss additive for high or low temperature wells. Based on extensive lab tests and field applications, it is known that a specific particle size will seal the face of porous sands and other formations helping reduce the differential pressure transfer. SX-PLUS™ graphitic particles with a PSD ranging from 40 mesh to >200 mesh (425 to >75 microns) are classified in that specific size range to effectively reduce fluid loss.

SX-PLUS™ has a very high melting point unlike resins or gilsonite based products. This carbon-based material has been treated at temperatures over 600°F (315°C) providing excellent thermal stability down hole.

Uses

- ◆ Enhances fluid loss reduction
- ◆ Enhances shale inhibition
- ◆ Excellent sealing characteristics
- ◆ Controls seepage loss in weighted systems
- ◆ Wall cake conditioner
- ◆ Minimizes differential pressure sticking
- ◆ Decreases friction and wear

Advantages

- ◆ Compatible with other drilling fluid additives
- ◆ Minimizes damage to production zones
- ◆ Broad range particle size distribution
- ◆ Non-polluting – non-sheening
- ◆ Does not alter mud rheological properties
- ◆ Does not foam
- ◆ Greatly improves lubricity of fluid
- ◆ LC₅₀ >1,000,000
 - ◆ No affect to mud toxicity value
- ◆ Mixes easily on location

Physical Properties

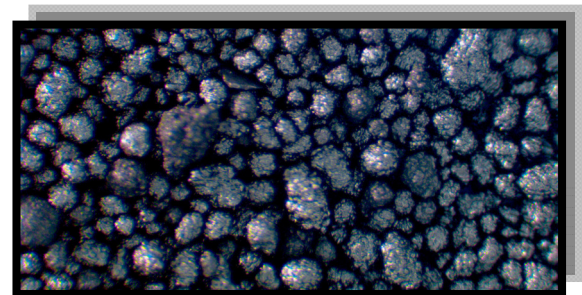
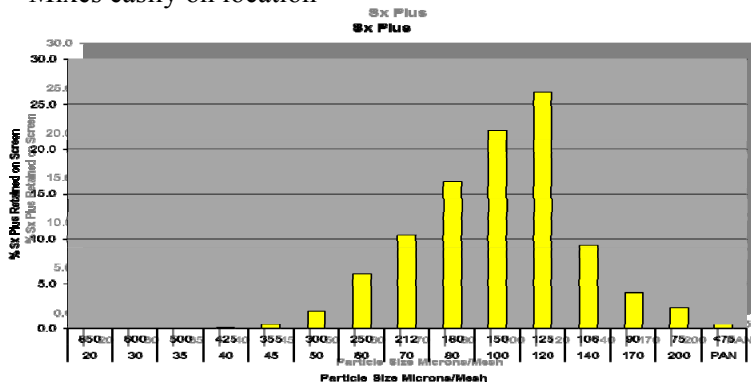
- ◆ Specific gravity: 1.5
- ◆ Color: Black/Gray
- ◆ Appearance: Free flowing graphitic particle
- ◆ Flash point: >350°F (>177°C)
- ◆ Melting point: >500°F (>260°C)
- ◆ Solubility: Negligible in water or oil

Recommended Treatment

- ◆ Preventive maintenance or moderate loss: 4 to 5 ppb (11.41 Kg/m³ to 14.27 Kg/m³)
- ◆ Excessive or abnormal loss: 6 to 8 ppb (17.12 Kg/m³ to 22.82 Kg/m³)
- ◆ Adjust treatment to conditions or pilot test

Packaging

- ◆ SX-PLUS™ is available in 50-pound bags (22.6 Kg)
50 sacks per pallet



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SUN...The HOLE Solution Company!
USA Toll Free 1.800.962.6490
Canada 403.319.0677
www.SunDrilling.com
Solutions@SunDrilling.com