OCL-JSN Sulfonated Polymer Fluid Loss Reducer (Saturated Brine)

Product Description

OCL-JSN is a sulfonated polymer fluid loss reducer that combines strong shale inhibition, excellent salt resistance, and high-temperature stability. It is a water-soluble polymer synthesized by copolymerizing AMPS and AM monomers.

Characteristics

- Excellent shale inhibition performance;
- Effective fluid loss reduction with outstanding resistance to saturated brine and temperatures above 160 °C;
- Good compatibility, simple on-site application process, easy maintenance, low treatment dosage, and cost-effective drilling fluid performance. The optimal dosage is 1–2%.

Technical Specification

Mud Performance Specifications

Item		Specification					
		Low Viscosity (Type I)		Medium Viscosity (Type II)		High Viscosity (Type III)	
		Grade A	Grade B	Grade A	Grade B	Grade A	Grade B
Fineness (residue on 0.59 mm sieve), % ≤		10.0					
Moisture, % ≤		10.0					
pH Value		7.0～10.0					
Active Content, % ≥		85.0					
Degradation Residue, % ≤		5.0					
Apparent Viscosity (1% aqueous solution), mPa·s		≤12.0		15.0～20.0		≥25.0	
Complex Brine Slurry	API Fluid Loss， mL	≤6.0			≤5.0		
	HTHP Fluid Loss，mL	≤30.0	≤20.0	≤30.0	≤20.0	≤30.0	≤25.0
Note: For Grade I products, the HTHP fluid loss is tested at 180 °C after aging at 220 °C; for Grade II products, the HTHP fluid loss is tested at 150 °C after aging at 200 °C.							

Email:info@oilchemleader.com

Website:www.oilchemleader.com

Packing and Storage

- Packed in triple-layer composite bags with an inner polyethylene film liner, 25 kg net weight per bag.
- Store in a cool, dry and well-ventilated place.
- The product is environmentally friendly, non-toxic and non-corrosive; wash with water after contact.

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