



Removing And Preventing of Scale Deposits

Forming of mineral sediment deposits or so called scale deposits is a serious problem in oil and gas industry. Even within one day of exploitation the water, which passes through the pay zone of the well, the production string and the oilfield equipment may contain hundreds of kilograms of dissolved salt ions. Pressure fluctuation and temperature variation during the production process promotes solid scale forming.

Formed in this way solids, calcium sulfates and carbonates, strontium sulfates and barium sulfates in particular, are characterized with the property of surface bond especially with metals. Solid mineral scale deposits inside the pump and compressor equipment lower the fluid flow and thus lead to the decrease in oil production. Scale removing may be a very complicated and expensive operation. Polyex offers chemical solutions for removing and preventing scale deposits.



Chemicals and technologies for removing and preventing of scale deposits:

1. Technology of cleaning the equipment from scale deposits with the solutions of specialized hydrochloric acid for oil and gas industry.
2. Technology of cleaning the equipment from sulphate scale deposits with the help of alkali-based scale dissolvent **DESCAVENT**.
3. Technology of protecting the equipment from scale deposits with the help of **INIPOL® AD 32 K**, **SALTONIX** scale inhibitors containing surfactants, which suppress the process of scale depositing at the stage of crystal forming.



POLYEX



Chemical	Description	Purpose of Application	Area of Application	Comments	
Inhibited Hydrochloric Acid for oil & gas industry	High quality acid containing HCl-corrosion inhibitor SOLING	Carbonate scale removing	Cleaning of oilwell tubing, field pipelines and flow lines and oil pipelines from mineral scale deposits	Hydrogen chloride content is 20-32 %	
DESCAVENT	Alkali-based scale dissolvent	Sulphate scale removing	Cleaning of oilwell tubing, field pipelines, flow lines and oil pipelines from mineral scale deposits	Liquid. Treatment is per-formed with dynamic bath technique	
INIPOL® AD 32 K	Scale inhibitor	Prevention of scale deposits: calcium carbonate, calcium sulfate, barium sulfate and strontium sulfate	Protection of oilfield equipment from scale deposits	Liquid. Inhibitor for continu-ous injection	
			Protection of pipelines and water lines from scale deposits		
SALTONIX	Scale inhibitor	Prevention of scale deposits: calcium carbonate, iron carbonate, calcium sulphate	Protection of oilfield equipment from scale deposits	Liquid inhibitor for continuous dossing	
			Protection of pipelines and water lines from scale deposits		

Scale inhibitor INIPOL® AD 32 K is manufactured in accordance with the technologies and from the components of ARKEMA FRANCE, France.