

PARAFFIN INHIBITORS FOR CRUDE OIL

The Oil and Gas Institute in Poland has invented a new and effective paraffin inhibitors which can be dosed continually into machinery working in wellbores and transmission pipelines. Our paraffin inhibitors prevent paraffin settlement on the surfaces of machinery and pipelines as well as lowers crude oil viscosity which facilitates free flow.

Most crude oils include paraffin that crystallize in low temperature to create clusters, precipitated in the form of sediments and making the free flow of oil more difficult. The paraffin inhibitor is a mixture of surface-active agents, dissolved in organic solvent. Our paraffin inhibitor lowers cloud point and flow temperature of crude oil. It provides perfect dispergation of paraffins present in crude oil, prevents creation of clusters and sediments on the surfaces of pipelines. Invented paraffin inhibitor is a clear, homogenous liquid with a wide temperature range of -30°C to $+55^{\circ}\text{C}$.

We used the most modern crystallization modifier and an effective set of dispersants. Our paraffin inhibitors show comparable or

better functional properties than those of competing products available on the market.

In our selection of raw materials we took into account the effect of paraffin inhibitor components on the natural environment. The way in which our paraffin inhibitors was prepared and should be used is spelled out in patent application to Polish Patent Office.



Project - *Special purpose chemicals for the continuous crude oil and gas exploitation.*

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