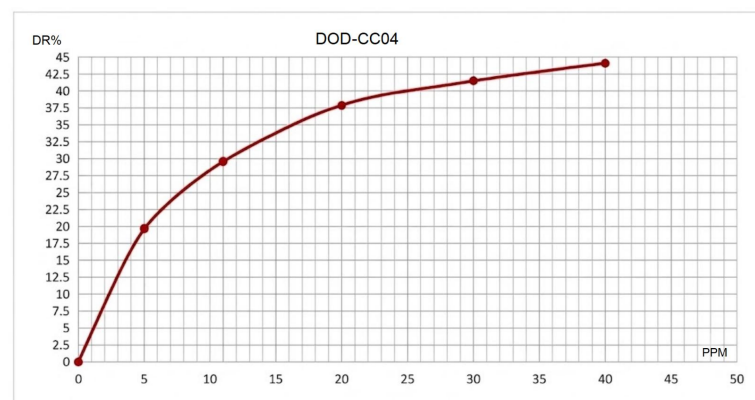


DOD-CC04 Drag Reducing Agent

Technical Data & Performance Curve

Test items	Executive standard	Technical parameters of products
Form	Visual measurement	White liquid
Colour	Visual measurement	White
smell	-----	A slight hydrocarbon odor.
Solubility	-----	Insoluble in water, soluble in hydrocarbon solvents and oils
sampling	GB/T 6680	300 ml test; 300 ml sample preparation
density	GB/T 4472	0.82-0.99g/cm ³
Flash Point (Closed) °C	ATSM D7094	>62
PH value	pH test paper	6-8
Kinematic viscosity (20°C, mPa.s,20s ⁻¹)	SY/T 0520	<500
Polymer content (%)	-----	20-40
Rate of increase	SY/T 6578	>25
Pour point (°C)	GB/T 3535 2006	≤-35

**Note: The above data only represent the parameters of DOD-CC04 drag reducer. The technical parameters of different types of drag reducer will be slightly different.*



This performance curve demonstrates the range in which DOD-CC04 can operate, actual effect depends on pipeline and fluid conditions.

Product Description

The main component of the product is poly α Olefin polymer powder and mixed alcohol ether suspension. Easy to store and use.

Drag reducing agents are used in long-distance pipelines using environmentally friendly materials, which are suitable for long-distance transportation of light crude oil and more

suitable for finished oil (around 300km, with significant terrain fluctuations and the presence of intermediate valve chambers on the pipeline). The product features moderate effectiveness, strong shear resistance, and good increase in transportation effect. It can naturally shear off in a pipeline of about 300Km without affecting the finished oil. The product uses polymers produced in extremely special ways, which are suitable for pipelines with small injection volumes and significant increase in transportation effects. The storage environment is closer to extreme environments. The usual filling concentration is less than 10ppm. By adding a small amount of drag reducing agent (ppm level) to the pipeline, the physical effect is eliminated to eliminate the turbulence of high-speed fluid, reduce the frictional resistance of the pipeline, and ultimately achieve the goal of increasing pipeline transportation capacity and reducing pipeline operating pressure. The performance of drag reducing agents is greatly affected by pipeline conditions, and the increase rate of drag reducing agents during factory inspection only represents the data of the drag reducing agent on the manufacturer's experimental pipeline. The actual value should be based on local test data.

Application Method

The product can be applied to the vast majority of long-distance pipeline lines, and users need to provide specific parameters of the oil pipeline to the manufacturer for simple calculation.

The drag reducing agent is quantitatively injected into the pipeline through a plunger pump, and the injection point is required to be selected at the rear end of the oil pump and as close as possible to the outlet end. For the case of multiple pipelines, the injection point should be selected at the back end of the pipeline convergence point. This can enable the drag reducing agent to perform well.

Packing

This product is packed in IBC plastic tank container, 1000L/barrel. Compliance with transport specifications.

Storage And Handling

Please keep this product away from light.

Storage conditions of products require as much shade as possible, the best storage conditions: temperature in -30°C to 30°C, storage environment to avoid light. Limit storage temperature is -35°C~60°C. The closer the limit storage temperature is, or the higher the limit storage temperature is, the more likely it is to destroy the physical form of drag reducer and cause difficulties in using it.