

## The Mirrico Group Business Domains:



Oil and gas  
processing



Oil  
exploration  
and  
production



Coal mining  
and  
benefication



Pipeline  
transportation  
of hydrocarbons



Chemical and  
petrochemical  
industry



Ferrous  
and nonferrous  
metallurgy



Waste and water  
treatment

## «MIRRICO» –

a Russian group  
of manufacturing and service  
companies with a proprietary  
modern production facility-  
manufacturing chemical  
products for the companies  
of oil and gas and  
petrochemical industries



**MIRRICO**  
GROUP OF COMPANIES

### The Mirrico Group of Companies

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## DEWAXOL\*

PRODUCT LINE  
OF COKING AND COKE  
DEPOSITION INHIBITORS

\* Product of Mirrico Group Made in Russia.

## Chemicals for coking reduction of Dewaxol line:

- Coking and coke deposition inhibitors of Dewaxol 1001 and 1004 brands;
- Coke antiprecipitating and dispersing agent of Dewaxol 1002 brand;
- Passivator of Dewaxol 1003 brand.

## Application:

The line of Dewaxol reactants ensures anti-coking protection for the following equipment of oil refineries:

- Heat exchangers of crude feed pre-heat units;
- Visbreaker heaters, ADU/VDU heaters;
- Fractionating columns.

## Purpose:

- Increasing time between repairs for refinery equipment.
- Implementation of visbreaking processes at high temperatures with reduced risk of equipment carburization:
  - Increasing efficiency of cracking reactions;
  - Increasing yield of light petroleum products;
  - Decreasing viscosity of cracking residue.

## Advantages:

- Optimum price/quality ratio;
- Comprehensive performance of each of the agents in the product line (inhibiting, coking, dispersing of coke particles);
- Competitive capacity on the level of foreign analog products.

## Experience:

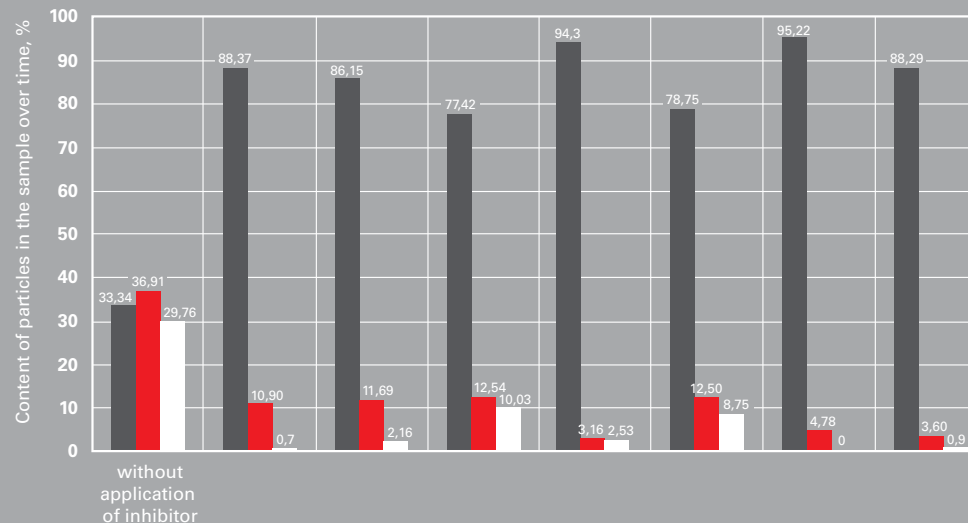


OJSC-Kuibyshev Refinery

JSC Angarsk Petrochemical Company



## Distribution of coke particles by size in the cracking residue without processing and during processing:



Change of coke particles ratios in the cracking residue samples with application of inhibitor and without it.

Sampling rate — 2 weeks.

● 0-3 μm  
● 3-5 μm  
● > 6 μm

## Over 80 %

reduction of coarse coke particles formation can be achieved by application of reactants of Dewaxol product line.