OIL REFINERS AND PETROCHEMISTS ASSOCIATION

Ref. No AC-115
of October 18, 2011

Intergovernmental council
for awarding Russian Federation Government
Prizes in Science and Technology

REFERENCE

for the work: "Invention and widespread introduction of competitive Russian isomerization technology and industrial complexes Isomalk for large-scale motor gasoline production, meeting European standards requirements", nominated for Russian Federation Government Prize in Science and Technology by JSC Gazprom Neft in 2011.

One of the main problems of Russian oil refining like many other sectors of the Russian Federation industry is low share of domestic developments in the total number of innovations. Such position leads to dangerous dependence of strategically crucial sectors from foreign procurement of equipment, catalysts and services.

The authors' work nominated for Russian Federation Government Prize showed that Russian scientists and engineers were capable of resolving difficult technical problems at the highest level. The authors managed to conduct extensive researches and develop domestic low-temperature light naphtha isomerization technology, which possesses a number of advantages in comparison with the best foreign analogues. Russian technology was patented in Russia, Eurasia and other foreign countries.

For a short period of time Russian technology has gained worldwide acceptance and has been implemented at many enterprises.

Results of researches and commercial introduction were represented at many Russian and international congresses and conferences and were highly appraised by specialists.

Complex of works made by the authors' team includes the following:

- Fundamentally new low-temperature catalyst and its commercial manufacturing technology were developed. Production is organized at two catalysts factories – CJSC "Promcatalys" (Ryazan) and JSC "Angarsk Catalysts and Organic Synthesis Plant".

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