

# The effect of feedstock treatment on the deasphalting process

Goncharova I., Safiulina A., Khusnutdinov I., Alawode E., Skvortsova G.  
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

## Abstract

© 2018, © 2018 Taylor & Francis Group, LLC. Transportation and further processing techniques of natural bitumen are of high demand nowadays. In the present article, deasphalting of bitumen with low-molecular oxygen containing solvents was proposed. A method for regulating the process of deasphalting aimed at increasing the yield of low-viscosity deasphalted oil was developed. The influence of the depth of distillation and solvent: feed ratio on the yield of the products of deasphalting was revealed. A study on various technological options for the primary processing of natural bitumen and ultra-high-viscosity oils for pipeline transport was conducted.

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## Keywords

acetone, bitumen, deasphalted oil, deasphalting, pipeline transport, solvent

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