

Manufacturing method of heavy base oil

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The subject matter of the invention is a method of obtaining base oil with a kinematic viscosity of more than 16 mm²/s at 100°C. This technology has been developed with participation of the three companies: Oil and Gas Institute, PKN ORLEN S.A. and ORLEN OIL Sp. z o.o.

The preparation of raw material for the manufacture of heavy base oil involves a deepened process of vacuum distillation,

which enables to include some of the dark fraction in vacuum distillate while maintaining a specific level of its properties.

The thus produced fraction is processed in the oil block, where the classic solvent processes of refinement and dewaxing as well as the hydrorefining process are used for further processing. The resultant base oil can be used as a replacement of bright-stock oil for the formulation of industrial lubricating oils.

