

Research progress of aging oil dehydration treatment process

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ABSTRACT

This paper summarizes the research progress of aging oil treatment processes and treatment devices in recent years. The treatment processes are mainly based on electrochemistry, heat deposition, centrifugal separation, and other technologies. The emerging treatment processes mainly include ultrasonic treatment technology, distillation dehydration technology, biological treatment technology. Negative pressure dehydration technology, catalytic cracking technology, microwave radiation treatment technology, etc. The advantages and disadvantages of each treatment technology were compared and analyzed. Finally, suggestions were put forward on the research direction of aging oil. The recommendations pointed out that one is to combine each treatment method to develop a practical, efficient, and environmentally friendly treatment process; the other is relevant scientific research units should strengthen scientific research and R&D efforts to tackle the problem in the direction of highly efficient and environmentally friendly pharmaceuticals.

Keywords: Aging oil; Treatment process; Treatment device; Distillation dehydration

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