

Mobil Gargoyle Arctic SHC 226E synthetic oil for refrigerating compressors*



Screw and piston refrigerating compressors | Unilever Polska S.A. | Food industry | Poland

Situation

The Unilever Polska Plant in Banino is one of the largest ice cream producers for both the Polish and European markets. It operates a total of 11 refrigerating compressor units equipped with Sabroe (SAB 128, 193, 233), Gram (GSV 263) and Frick screw compressors as well as Gram piston compressors working in ammonia refrigeration systems, to support processing lines and storage requirements. The total oil systems volume is 3,820 liters. A mineral oil change was previously performed once a year. The deposits resulting from mineral oil degradation were observed on compressor components.

Also, there were no deposit build-ups in the oil tanks of screw compressors and crankcases of piston compressors, so leading to a general decrease of compressor maintenance costs.

Benefit

Switching to **Mobil Gargoyle Arctic SHC 226E** helped increase oil drain intervals up to 200% compared to the previous mineral oil based product. That helped decrease maintenance costs and reduce waste generated for disposal**. The customer also experienced lower costs for separators and filters and related maintenance due to a decrease in oil deposit formation. Introduction of synthetic oil made the maintenance of engine room and cooling installation much easier. The maintenance department at the Unilever Plant in Banino recommends the use of **Mobil Gargoyle Arctic SHC 226E** synthetic refrigeration oil to other users without hesitation.

Recommendation

The introduction of **Mobil Gargoyle™ Arctic SHC 226E** synthetic oil offered an excellent alternative as it extended oil change intervals to 3 years enabling a decrease in oil consumption, and a reduction of costs related to oil separators, oil filters as well as reduced oil derivative waste utilization costs.

Oil drain interval increased by up to

200%*

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*This proof of performance is based on the experience of a single customer. Actual results can vary depending upon the type of equipment used and its maintenance, operating conditions and environment, and any prior lubricant used.

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