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ArtiKool is a synthetic oil blend, what does that mean? First off, synthetic oil is better than conventional oil when it comes to its form and function. Conventional oil can not stand up to synthetic when it comes to longevity and ability to handle extreme high temperatures without breaking down. This advanced technology does cost more initially. Synthetic oil's initial cost can be over twice as much as conventional oil...but it is worth it beyond its obvious better performance.

Synthetics can last as much as three times longer than conventional oil. Today's technology makes synthetics cleaner and better. Their composition is much cleaner, because it is derived in a laboratory rather than nature.

Synthetics have also been shown to produce less resistance in the compressor and therefore offer more horsepower and overall efficiency for the compressor. This added horsepower in return means that the air conditioner or refrigeration unit will be able to perform at the same level as before, but using less power or KW.

The fact is ArtiKool exceeds the specifications of the oils used by the Air Conditioning and refrigeration manufacturers. This is also why ArtiKool will NOT void any manufacturers warranties. To avoid problems over time, these units are required to be flushed every so often. When this is done, only a small amount of ArtiKool is added to maintain the top performance for years to come.

Synthetics are better in every way, they offer better high-temperature resistance and better low-temperature flow, and they leave nearly no deposits. Since synthetics flow and penetrate much better than regular oils, a change to synthetic oil will sometimes reveal previous leaks you didn't know existed. This is where the option of using ArtiKool Blue (with both UV and blue dye in its blend) helps technicians detect those leaks.

It should also be noted that, over time within compressors gaps between parts become larger, so less oil reaches critical parts. ArtiKool helps prevent this from happening, and if it has already occurred, ArtiKool, being a synthetic, better penetrates those parts possibly adding years to the life of your older unit.

Our PROA is suited to work with old and new systems. ArtiKool is perfect for the new refrigerants that do not use chlorine or sulfur as our PROA has neither. ArtiKool also works great with the older refrigerants, meeting or exceeding specifications for either type.

Moisture should never get in a system, but if moisture should get within the unit, ArtiKool will not make it acidic, because neither chlorine nor sulfur is added to our blend. One more way ArtiKool is better than most all other PROA's on the market today. It does not stop there, when it comes to our lubricity, to the best of our knowledge, we have never had any competitor's PROA be able to out perform ArtiKool.