



## Cassidy's Stuart Ice

"The Premiere Ice Company on the Treasure Coast"

- \* Blocks
- \* Cubes
- \* Crushed
- \* Dry
- \* Ice Sculptures
- \* Snow Blowing

April 17, 2001

Subject: Frigi-Tech Refrigerant Oil Additive

To Whom It May Concern:

We have installed Frigi-Tech oil additive through out our plant, and we are very pleased with the results.

Our equipment includes a 50-ton Mycom ammonia system, various Carrier, Copeland, York, and Tecumseh compressors using MP-39, R-22, and R-134A refrigerants.

With the ammonia system, the first thing we noticed was the reduction in noise levels. The system runs much smoother and quieter now. We recovered over 7-gallons of excess oil, which was trapped in the system. This resulted in a better heat exchange and more cooling surface within the evaporator - increased production (see below). We also had a bad leak at the crank seal which stopped two months after installing Frigi-Tech.

For the rest of our equipment, we use re-built compressors, which would wear out and had to be replaced on an annual basis. Since installing Frigi-Tech, we have not had to replace a single compressor in over two years. Already, we have doubled the life of the compressors, and saved considerable in maintenance and compressor replacement.

Comparisons showed a 10 psi drop in the high side (refrigerant) pressure, and a 5 psi drop on the low side.

(This indicates a reduced load on the unit) The freezer temperature dropped 7 degrees within one week. (This unit runs constantly to deliver the coldest freezer room temperature possible) Amperage draw was down 8% on two of the three phases. This is impressive because this is a new re-built compressor.

Results on the ice machines were even more dramatic. The first machine treated with Frigi-Tech was delivering 67 dumps of ice cubes a day. This was increased to 78 dumps per day, an increase in production of 16%. The level of quality remained high with nice clear ice cubes.

Obviously, we have been able to increase production, while at the same time reduce our costs, resulting in greater savings on energy cost, prolonged equipment life, less down time, etc.

Over all, we are impressed with the results of Frigi-Tech and would recommend it highly as a viable source of energy conservation and reduced operating costs.

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