



AllGard Surface Care LLC

MaxR100A™ Ammonia Compressor Treatment Test

CASSIDY'S STUART ICE
STUART, FLORIDA

April 17, 2001

Subject: MaxR100A™ Refrigerant Oil Additive

To Whom It May Concern:

We have installed MaxR100A™ oil additive throughout 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 with increased production (see below). We also had a bad leak at the crank seal which stopped two months after installing MaxR100A™.

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 MaxR100A™, 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 MaxR100A™ 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 cost, resulting in greater savings on energy cost, prolong equipment life, less down time, etc. Over all, we are impressed with the results of MaxR100A™ and would recommend it highly as a viable source of energy conservation and reduced operating cost.

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For more information about MaxR100A™, visit our website at www.allgardsc.com