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October 16, 2014

Bluon Energy, LLC  
ATTN: Sean Langton

Subject: **Bluon TDX Performance Results**

Alliant Systems is a fully integrated Mechanical Contractor with offices located in Portland and Eugene, Oregon. We engineer, install and service HVAC and Plumbing systems in all types of commercial buildings including medical manufacturing, hi rise commercial office buildings and industrial applications.

We have been researching the market looking for a product that is a drop in replacement for R-22 with very little success. When we teamed up with Bluon and their Tdx 20 we were pleased to find a drop in that not only met our drop in needs but also maintained or increased the capacity of the system as well as decreased the operating cost of the equipment significantly.

We have tested Bluon TdX refrigerant in a 40 Ton Carrier roof-top unit with two compressors. The following summarized the results of our testing of TdX compared to R-22:

- Reduction in circuit #1 amp draw: 21% less in the TdX unit
- Reduction in circuit #2 amp draw: 20% less in the TdX unit
- Installation Process: Standard refrigerant evacuation and recharge without any change to the compressor oil, metering device or TXV valve.

Our customers are committed to eliminating their use of R-22 and looking for a cost-effective alternative to buying new R-410A equipment. We found Bluon TdX to be an easy to install, energy saving R-22 refrigerant replacement for our clients.

Please feel free to contact me with any further questions.

Regards,

A handwritten signature in blue ink, appearing to be 'S. Fogli', written over a light blue circular stamp.

Sean Fogli  
Service Manager  
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