EASI
ENERGY AUTOMATION SYSTEMS INCORPORATED

Frigi-Tech™

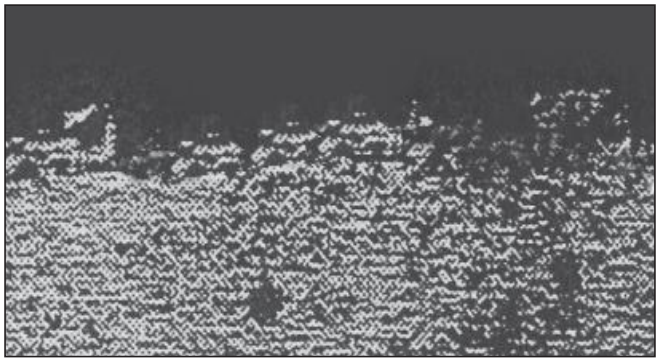
Specifically Lubricant blended for higher cooling capacities and lower energy consumption

Air conditioning and refrigeration system loads, especially during warmer months, can drastically increase electric energy consumption and operating costs. As these systems get older, they usually become less efficient as internal components wear and internal heat and pressure speed up system degradation. Maintenance becomes more common and costly as parts and even entire systems must be replaced. What can be done to make air conditioning and refrigeration systems more energy efficient and last longer ?

A pioneer in the energy technology industry since 1978, Energy Automation Systems, Inc. (EASI) uses Frigi-Tech as a trusted component of its electrical energy conservation systems. Designed for use in refrigeration, air conditioning, and any hermetically sealed lubrication system, Frigi-Tech gives new life to bearings, seals and compressor parts. Using Frigi-Tech is a quick, simple and cost effective way to lower the operating and maintenance costs of these systems resulting in increased cooling capacity, decreased electricity consumption, and reduced compressor noise.

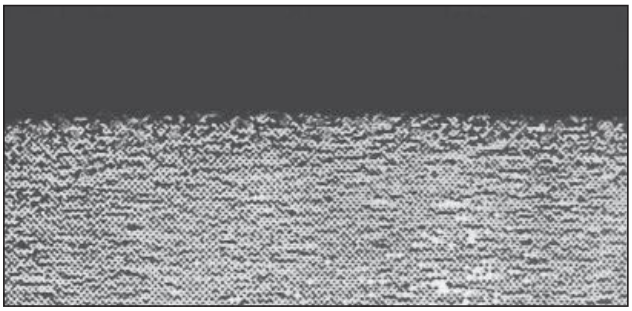
Frigi-Tech is the culmination of years of advanced lubricant research and testing and is specifically engineered for the severe service environments of air conditioning and refrigeration systems. By adding only 5% by volume mixture of Frigi-Tech with the compressor's refrigeration oil, energy costs can drop from 8% to 20% depending on the condition of the system. A system treated with Frigi-Tech can show an immediate, noticeable improvement.

Photomicrograph of Bearing Damage (1000 x)



Before

With Frigi-Tech



With Frigi-Tech™

This friction activated additive can actually eliminate minor bearing defects and rough spots. The results reflect clearly in the above comparative photomicrographs. These photos compare the cross-sections of two roller bearings magnified 1000 times. Both bearings were subjected to the same loads and both received the same amount of bearing wear. After the bearing in the lower photo was damaged, a small amount of Frigi-Tech was added to the machine. After this same bearing was subjected to additional heavy loads, the friction activated additive was triggered, and the bearing surface was polished to a mirror finish.

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