

REDUCE DOWN-TIME
AND SIGNIFICANTLY
INCREASE PROFITS



ONE –TIME INSTALLATION
NO HARDWARE CHANGES
NO SPECIAL TOOLS

What Is IceCOLD®?

IceCOLD® is a revolutionary synthetic catalyst that when added to your cooling system's refrigerant results in:

- Your System running less because the vent air is colder
- Extending your reefer unit's operating life

Reefer Efficiency

Your reefer unit loses 20% to 35% efficiency as it ages.

IceCOLD® Technology reclaims this lost efficiency by eradicating oil fouling on heat transfer surfaces within your cooling system.

Lubricity

IceCOLD® Delivers 54%* Higher Lubricity to compressor oil allowing your compressors to run cooler

IceCOLD® Extends your compressor's life with less maintenance

**INTERTEK Laboratory Certification*

IceCOLD® Benefits

IceCOLD Technology offers a variety of benefits including:

- Extending the life of your reefer units
- Cleaning and Restoring the efficiency of older reefers
- Saving 20% to 35% on your Reefer fuel cost!

JUST WHAT THE DOCTOR ORDERED



Installs in minutes!

Lasts for the life of the equipment



IceCOLD® Product Benefits

- Reduces reefer fuel cost by 10% to 35%
- Delivers colder vent air ... faster
- Reduces equipment repair cost
- Reduces compressor noise
- Extends equipment life- equipment runs cooler
- Lasts for the life of the cooling system coils
- Offers the most cost effective way to further enhance system SEER performance (Seasonal energy efficiency ratio)

How Much Energy Will You Save?

The payback on IceCOLD® is typically less than 12-months depending on your cost of energy and climate. As a result, your annual Return on Investment (ROI) is typically 100% plus. Your reefers do not require retreatment even if the compressor is replaced.

(The only exceptions are if your coils are replaced or if the compressor oil is lost due to system malfunction)

IceCOLD® savings continue for the life of your system. A reduction in reefer run-time also extends MTBM (mean time between maintenance) and system replacement timelines.



CONSIDER THIS SCENARIO

- 14 hours run rate per day
- Fuel consumption of 7/10 per gallon per hour
- Fuel cost of \$4 per gallon
- 240 working days a year
- 51,000 BTU/hr operation

IceCOLD averages 10% to 35% reduction in fuel consumption on out of warranty equipment

You are potentially saving \$940.80 to \$3292.80. At 20% you savings could be \$1881.60 per trailer per year. 100 trailers could be an annual saving of over a half million dollars with a 5 month payback.

Contact us to instantly calculate your Return-On-Investment and estimated annual savings.

Additionally, there are *soft savings* derived from deferred maintenance and system replacement costs which are not calculated in this scenario.

Save GREEN \$\$ and BE GREEN

As a bonus, IceCOLD is a viable technology to reconcile energy demand and the stewardship of our planet

ECO AIR TECH has THE ANSWER

Phone: 909-980-0800 or Email: info@ecoairtech.com

**IT'S ALL
ABOUT
SAVINGS!**

**Saving
Energy**

**Saving the
Environment**

**Lowering
Fuel Cost**

**Saving
MONEY**



ECO AIR TECH.
Helping to reduce your
carbon footprint

HOW IceCOLD® SAVES YOU MONEY!

IceCOLD (CATALYST #1) REMOVES THE OIL FOULING BY BREAKING THE OIL'S SURFACE TENSION

- Refrigeration systems with mechanical compressors typically circulate 1/2% to 8% of their compressor lubricating oil with the refrigerant that is circulated throughout the system.
- The compressor coats the inner walls of the refrigeration tubing with a permanent layer of compressor oil.
- Due to the insulating properties of oil (and an added thermodynamic layer), the oil insulates the heat transfer from the cold refrigerant to the heat exchange tubing walls.
- Oil fouling degrades all systems performance by up to 25% and higher.
- Refrigeration-compressor oils contribute to oil fouling, impeding heat exchange.
- Fouled oil is more likely to react with the refrigerants, metals and other contaminants frequently found in the refrigeration system creating sludge, gums, and carbon deposits on the condenser tube surface area.

IceCOLD (CATALYST #2) CAUSES REFRIGERANT TO EVAPORATE AT A LOWER TEMPERATURE

A trade secret synthetic compound acts as a catalyst to make fluorocarbon refrigerants evaporate at a lower temperature; increasing system capacity (BTUs) for more efficient cooling

IceCOLD (INGREDIENT #3) INCREASES COMPRESSOR OIL LUBRICITY BY AS MUCH AS 54%*

*2010 INTERTEK Laboratories

DIMINISHED OIL FOULING AND LOWER EVAPORATING TEMPERATURES RESULT IN A 15% TO 30% INCREASE IN SYSTEM CAPACITY (BTU's) MORE EFFICIENT AND FASTER COOLING!

- A Cutting Edge Synthetic PAO Lubricant
- Generations More Advanced Than Mobil 1®

***YOUR COMPRESSORS RUN COOLER AND LAST LONGER BECAUSE
THE ACTUAL OPERATING TIME IS DIMINISHED AS A RESULT OF
BETTER EFFICIENCIES.***

For more IceCOLD information or to arrange a trial, please contact:
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