

Challenge

Background

Forced-downdraft cooling tower for the HVAC cooling water had premature bearing failure with fan motors.

- Customer was manually lubricating per OEM recommendations.
- Bearing life was only 6 months due to bearing corrosion and grease degradation.
- 6 towers, 2 motors per tower or 12 failures per year @ \$5,000 per motor.
- **Annual Cost: \$60,000**

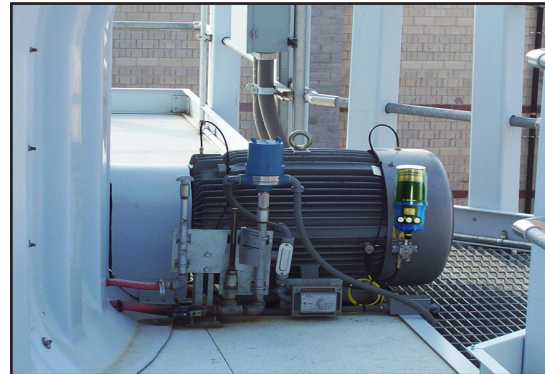


Forced downdraft cooling towers used by a major university for HVAC cooling water.

Solution

Product

- Install **Chesterton 615 High Temperature Grease (HTG)** dispensed through **Lubri-Cup™ EM** unit with two-point divider block.
- After 2 years, there have been no bearing failures encountered with the cooling tower fan motors.
- In total, 6 Towers or 12 motors have been converted to **Chesterton 615 HTG** and **Lubri-Cup™ EM** dispensers.



Installed Chesterton Electric Motor Reliability Program (Lubri-Cup EM™/615 HTG).

Results

- **Bearing life and reliability:** Increased 5X
- **Reduced labor cost:** No manual lubrication required
- **Bearing-related electric motor failure:** None

Previous Maintenance Cost:	-\$60,000
Chesterton Lubricant Solution:	\$ 3,315
Annual Savings:	\$56,685

\$=USD



Safe, reliable, easy-to-maintain and service – helping to keep the university reliably cool.