Case Study: Pulp and Paper - Split MICRO-TEC® II

INDUSTRY
Pulp & Paper

CUSTOMER
Wood pellet processing plant

BACKGROUND
The operating environment is extremely harsh for bearings as there is constant exposure to wood chips and fines.

CHALLENGES FACED
LER rings were being used as bearing protection for Split Pillow Block bearings on 8 hammermill machines. The bearings and seals were directly exposed to steam that washes out the grease lubricant and then condenses inside the bearings causing failure. Each machine contains 4 seals that were being replaced about every 12 weeks. The replacement took 5 hours of maintenance time and required 2 maintenance technicians.

OPERATING CONDITIONS
Size - 3.9375"
Temperature - 180˚F (82˚C)
Media - Grease
Pressure - 0 psi

SOLUTION AND BENEFITS
Garlock Split MICRO-TEC® II bearing isolators where installed to improve bearing protection and extend service life. Seal life was extended to at least one year.

For more information, please visit:
http://www.garlock.com

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