CHESTERTON
Global Solutions, Local Service.

Rod Seal Provides 25+ Years of Leak-Free Service and $975K Savings

Rubber Extrusion Plant
Chesterton R22KN Rod Seal
Case Study 037 FP

Challenge

Background

Chesterton received a call from a rubber extrusion company to replace an existing Chesterton® 10K Super Monoseal (8” x 9”) on a hydraulic press that had run for 30 cycles a day, five days a week for the past 25+ years leak-free.

When the customer noticed a small leak the equipment was disassembled. Upon disassembly, the customer noticed minor wear on the OD of the seal which may have contributed to the leak.

Solution

Product

The seaing representative recommended an upgrade to the Chesterton R22KN Rod Seal made with a proprietary thermoset AWC800 material.

The R22KN single-acting U-Cup design that minimizes frictional resistance and breakaway force. The positive rake lip is designed to wipe contaminants away from the mating surface.

Results

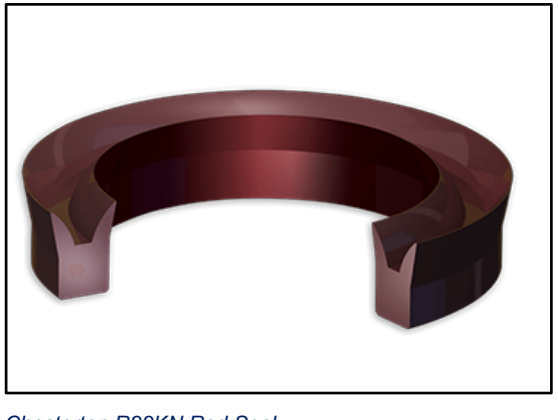
Increase Reliability

The longevity of the original 10K seal is estimated to have saved the plant $975,000 in lost production alone. This does not include the cost savings from lost oil and reclamation prevention, housekeeping, and equipment teardowns to replace premature failed seals over the 25+ year period.

All parties are hoping for the same success with the Chesterton seal replacement!

Chesterton 10K Super Monoseal size 8” x 9”.

Rubber extrusion/extrusion press.



Chesterton R22KN Rod Seal.

Technical data reflects results of laboratory tests and is intended to indicate general characteristics only.
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