CASE STUDY

CHESTERTON
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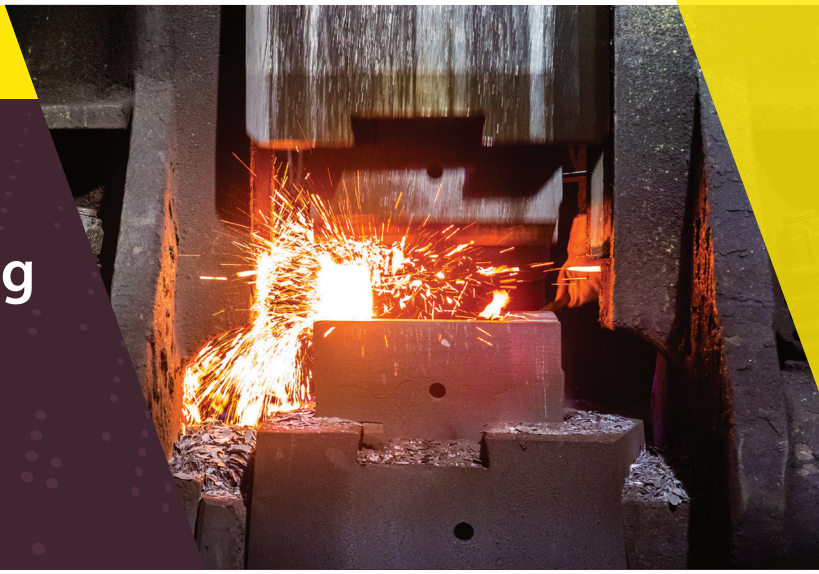
STEEL INDUSTRY



Polymer Seals

Quick Forging Press Sealing Solution Resolved

Product Solutions: Chesterton® 11K Rod Seals, 11K Spacer Rings, W21K Wiper Seals

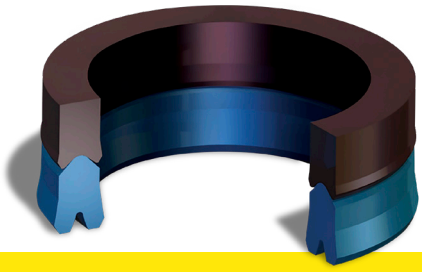
Challenge

A fast forging machine was originally sealed by a rubber V-stack set. The rubber seals leaked and required replacement in less than one year. Replacement of the V-stack set took nearly a week. In addition, the performance of the V-stack was found to be poor and needed frequent adjustment.

Solution

The V-stack set was replaced with a Chesterton® 11K Rod Seal and 11K Spacer Ring. A W21K Wiper Seal was used to exclude contamination and extend seal life.

- **11K Rod Seal** 980,00 x 1030,00 made from AWC805/AWC800
- **11K Spacer Ring** 980,00 x 1030,00 x 088,50 made from AWC800
- **W21K Wiper Seal** 980,00 x 1010,00 x 995,00 x 018,00 made from AWC800



Results

The leakage problem of the worn plunger cylinders was improved with the upgrade. The Mean Time Between Repair (MTBR) was increased from less than one year to 3+ years.

The user has already replaced all the seals from the rubber V-stacked rings to Chesterton's 11K combination for the return cylinders and auxiliary cylinders.

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