

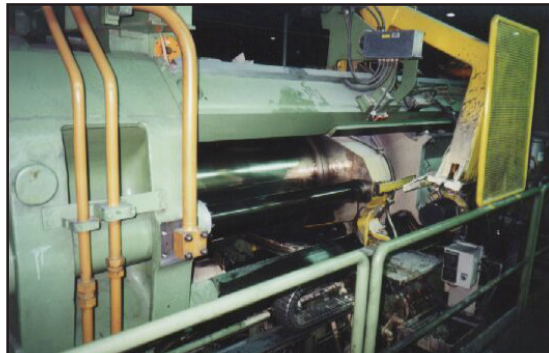
## Challenge

### Issue

A large manufacturer of extruded aluminum components was experiencing leakage on slightly scored, pull-back cylinders (back stroke) on the main extrusion press.

Seal leakage led to inconsistent performance and unplanned maintenance. The customer needed to improve performance and equipment reliability.

- Cylinder Size: 240 x 265 x 30 mm



Represents a typical aluminum extrusion press.

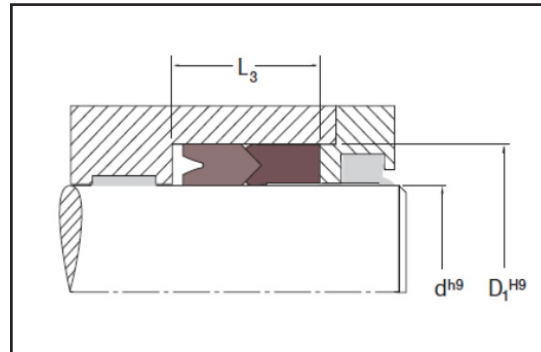
## Solution

### Recommendation

The Chesterton Specialist recommended a Chesterton 11K split seal solution using a red/blue material combination (AWC800/ AWC825) to address the leakage issue. The low durometer material was able to conform to the scored surface to offset a potential leak path and create a positive seal.

### 11K Product Features

- Dual ring split design; works on worn surfaces
- Only two split rings to install
- No shimming or gland adjustments



Shows cross sectional view of 11K set installed into the seal cavity.

## Results

The unique Chesterton 11K dual ring, split sealing solution using the AWC825 material is designed to improve sealing reliability in scored, worn, aged or pitted equipment.

The thermoset material also provides superior wear and abrasion resistance to enhance seal performance.

This Chesterton solution was proven to outperform the competitive product and eliminate leakage issues.

**Chesterton 11K is operating leak free since Dec 2015.**



Chesterton 11K split, dual ring with AWC800/AWC825 material combination.