

Case Study: Primary Metals Plate Mill - Model 145A2 Oil Seal



INDUSTRY

Primary Metals

CUSTOMER

Plate Mill

BACKGROUND

Rolling mill chocks use an excluder seal on the inboard side of the bearing chocks to minimize contaminants and mill solution from attacking the interior seals and ultimately the bearings.

CHALLENGES FACED

The end user was having difficulty with their current excluder seal not lasting long enough to complete an entire campaign. Our competition started manufacturing their excluders overseas. Their seals were breaking in half during operation and consequently not sealing out contaminants. Their expected lifetime was reduced to less than 50% of our excluder seals.

OPERATING CONDITIONS

Size -145A2 NIT 22.830"-24.800"ID

Temperature - 165°F (74°C) - 190°F (88°C)

Application - Bearing chock in steel mill

Media - Mill solution and contaminants

Pressure - None

Speed - 35- 60 RPM

SOLUTION AND BENEFITS

The superior Garlock Model 145A2 Millright N Excluder Seal lasted their 2 year campaign. This allowed all assembly components to last their 2 year cycle.

For more information, please visit:

<http://www.garlock.com>

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