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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 compenents to last their 2 year cycle.

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

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