

# TIGER® GRINDING WHEELS REDUCE ABRASIVE SPEND OVER 40% FOR FOUNDRY



## METAL FOUNDRY CASE STUDY

Weiler Tiger 9 x 1/4" Aluminum Oxide (AO) Grinding Wheels



Part # 57126



Finished shears in rock crusher.

**CHALLENGE:** A Northwest Metal Foundry that manufactures rock crusher teeth from white iron chrome requires finishing work by grinding away seams, vent tubes, and excess material. White iron chrome is a very hard metal, rated 4 times harder than carbon steel on the Hardness Brinell (HB) scale.

With competitor wheels, 5 operators, grinding 8-hour shifts, 6 days a week, used 600 wheels per month. On average, 3 parts were completed per wheel.

**SOLUTION:** After testing several grinding wheels, the foundry converted to Weiler Tiger aluminum oxide 9" grinding wheels. By switching to Tiger grinding wheels, the foundry was able to finish 5 parts per wheel, saving approximately \$1,100 per month. In addition, grinding time was reduced.

**RESULT:** The metal foundry's consumable abrasives cost went from \$2<sup>18</sup> per finished part to \$1<sup>15</sup> per finished part, a 48% reduction.

### END USER COMMENTS:

*"Tiger grinding wheels are aggressive and maintain their grinding edge throughout the life of the wheel."*

Tiger did **40%**  
more work.

The foundry saves  
**\$1,100**  
a month.