**CASE STUDY**

**CATEGORY: INDUSTRIAL SUPPLY**

**SERVICE: METAL FOUNDRY**

$13,200 COST SAVINGS

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**PROBLEM**

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 four times harder than Carbon steel on the Hardness Brinell (HB) scale. With competitor wheels, five operators, grinding 8-hour shifts, six days a week used 600 wheels per month. On average, three parts were completed per wheel.

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**SOLUTION**

After testing several grinding wheels, the foundry converted to Weiler Tiger Aluminum Oxide 9" grinding wheels. By converting to Tiger grinding wheels the foundry was able to finish five parts per wheel, saving approximately $1,100 per month. In addition, grinding time was reduced.

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**RESULTS**

The metal foundry’s consumable abrasives cost went from $2.18 per finished part to $1.15 per finished part, a 48% reduction! Tiger did 40% more work. The foundry saved $1,100 a month.

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Tiger did **40%** more work.

The foundry saved **$1,100 a month**

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*Photo: Finished shears in rock crusher*  
*Part #57126*

For more information, talk to your Martin Sales Rep today or call us at 800.828.8116.
Tiger Grinding Wheels No. 57126

Weiler Tiger grinding wheels deliver the right combination of performance and value. This versatile line-up offers a long life solution for all your general purpose applications. Strong resin bond delivers a long cutting life that keeps professionals on the job longer. Triple fiberglass reinforcement provides added strength for aggressive stock removal. Cut back design provides immediate aggression and high cut rate.

- **Item Diameter:** 9”
- **Arbor Hole:** 5/8”-11
- **Grit:** 24
- **Grain:** Premium A0
- **Face Width:** 1/4”
- **Style Type:** Type 27
- **Max RPM:** 6,600
- **Grade:** R
- **Standard Pack:** 10
- **Item Description:** 9”x 1/4” Grinding Wheel

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Weiler Products are available through your Martin Sales Rep or online at MartinSupply.com