

Carajás Mine - Brazil

Carajás Bit of Choice: Shareate 9 7/8" SGA635G Sealed Bearing Bit



Mine Description

The Carajás Mine is the largest iron ore mine in the world. It is located in the municipality of Parauapebas, state of Pará in the Carajás Mountains of Northern Brazil. The mine is operated as an open-pit mine. The mine is run by Vale (formerly the Companhia Vale do Rio Doce) and was previously part-owned with US Steel. The mine is located in the mining concession area of the Carajás National Forest, which contains known reserves of 18 billion tonnes with an average grade of 65.4% Fe.

Rotary Drill Bit Performance (Controlled Bit Trials)

Average performances from rotary bit trials at Vale's Carajás Mine, comparing Shareate's 9 7/8" SGA635 sealed bearing bit with competing air bit brand:

Supplier	Meters (rounded)	ROP (m/hr)
Shareate	5,500	47
<i>Leading Brand 1</i>	<i>5,500</i>	<i>42</i>
<i>Leading Brand 2</i>	<i>5,000</i>	<i>43</i>
<i>Leading Brand 3</i>	<i>3,900</i>	<i>41</i>



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