

# SHAREATE



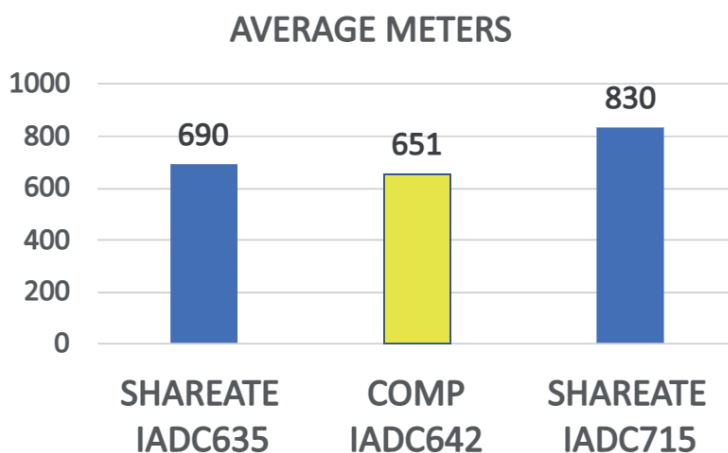
Sossego - Brazil



## Mine Description

The Sossego Mine Complex consists of two open-pit mines, Sossego and Sequeirinho, located in the Carajás region in the southeastern portion of Pará State in Brazil. Sossego was the first copper project taken into operation by Vale and has been producing copper concentrate since 2004. Copper ore is mined using the open-pit method. In 2020, the Sossego mine produced 87,700 tonnes of copper and Vale reported an updated reserves estimate for Sossego totaling 98.3 million tonnes grading 0.69% copper and 0.19 g/t gold.

## Rotary Drill Bit Performance (Controlled Bit Trials - 12.1/4")



Average performances of bit trials at Vale's Sossego Mine, comparing Shareate's sealed bearing bits with a well known, big-brand name of rotary air bit supply.

**Shareate's sealed bearing bits outperform standard air bits.  
More meters per bit and the lowest TDC.  
40% Share at Vale's Sossego/Salobo mines.**