

SHAREATE



S11D Eliezer Batista - Brazil



Mine Description

Vale's SD11 Project in Brazil is located in Serra dos Carajás, in the South-Eastern Pará State of Brazil. The site has one of the world's richest ore bodies, with over 4 billion tonnes of reserves and a ferrous content around 66%. It is the largest iron ore mine project in the world, at 90 million tonnes per year. The mine is a highly technological operation, which functions with Long Distance Belt Conveyors (LDBC), a truckless system of 64 kms of belts that transport the ore to the plant.

Rotary Drill Bit Performance

In October of 2020, mine owner Vale and contractor Drillco celebrated a milestone at the S11D mine when a Shareate 9⁷/₈" SGA635RF drilled a distance record of 12,814m. Achieving a Penetration Rate of 79 m/hr, this is the highest life, and the lowest TDC ever achieved by any tricone drilling bit in the mine since its opening in 2017. The record breaking performance was celebrated by Vale's S11D Drill & Blast Team, Drillco Brazil, and Shareate Tools Ltd..



From left to right:
Itamar Pereira (Drillco Field Technician), Antônio Santos (Vale Tool Technician), and Rafael Cabral (Vale Mechanical Technician).

**Record-Breaking Bit:
Shareate 9⁷/₈" SGA635RF
Longest recorded meters.**