

CSA SAG Mills Commissioning and Grinding Circuit Optimisation

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Two SAG mills were recently replaced in CSA mine including new motors of higher power capacity (1600kW) and Variable Speed Drive (VSD). The internal design of the mills were also changed from high-low to skip row Metso design. After mills replacement in two different years for each mill, startup commissioning took place followed by grindcurves testwork in one of the mills to determine best operating conditions for maximum throughput and particle size. However, even though mills are identical on design and operation, both reporting about 100-120 tph adjusted operation in function on feed supply, pressures and power draws are different each other requiring further understanding. This presentation delivers an overview of the commissioning experience, preliminary grindcurve and work up to date.