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Ten commandments on How to maximize the performance Of a tertiary cone crusher

1. Decide on exactly what you want to maximize from your crusher i.e. product size range, shape, minimum fines, etc.
2. Define the feed in terms of gradation and tonnage
3. Based on the number 1 & 2 above, select the liners that match closely to your requirements
4. Make sure the crusher can be choke fed at a recommended level in the chamber. Ideally this requires a surge bin and a feed rate control. This is critical for the best performance from the crusher
5. If possible, install a rotating feed distributor. This will increase the product tonnage, minimizes crusher abuse and improve the useful life of the liners
6. Run your crusher at the maximum power available by varying the feed rate without exceeding the crushing force and feed level
7. Choose the Closed Side Setting based on the product size requirements.
8. Select the operating speed, within the manufacturer's recommendation, that helps optimize the product tonnage, horsepower draw and the cubicity.
9. Make sure there is sufficient screening capacity, especially for the closed circuited cone, to pullout the product and minimize the fines coming back to the cone.
10. Continuously monitor and measure the cone's performance and vary the setting, speed and the liner selection to optimize its performance