

Optimization of a Mobile Unit for Secondary Crushing



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Objectives

- Monitor crushing results
- Optimization

HJ H4000-C

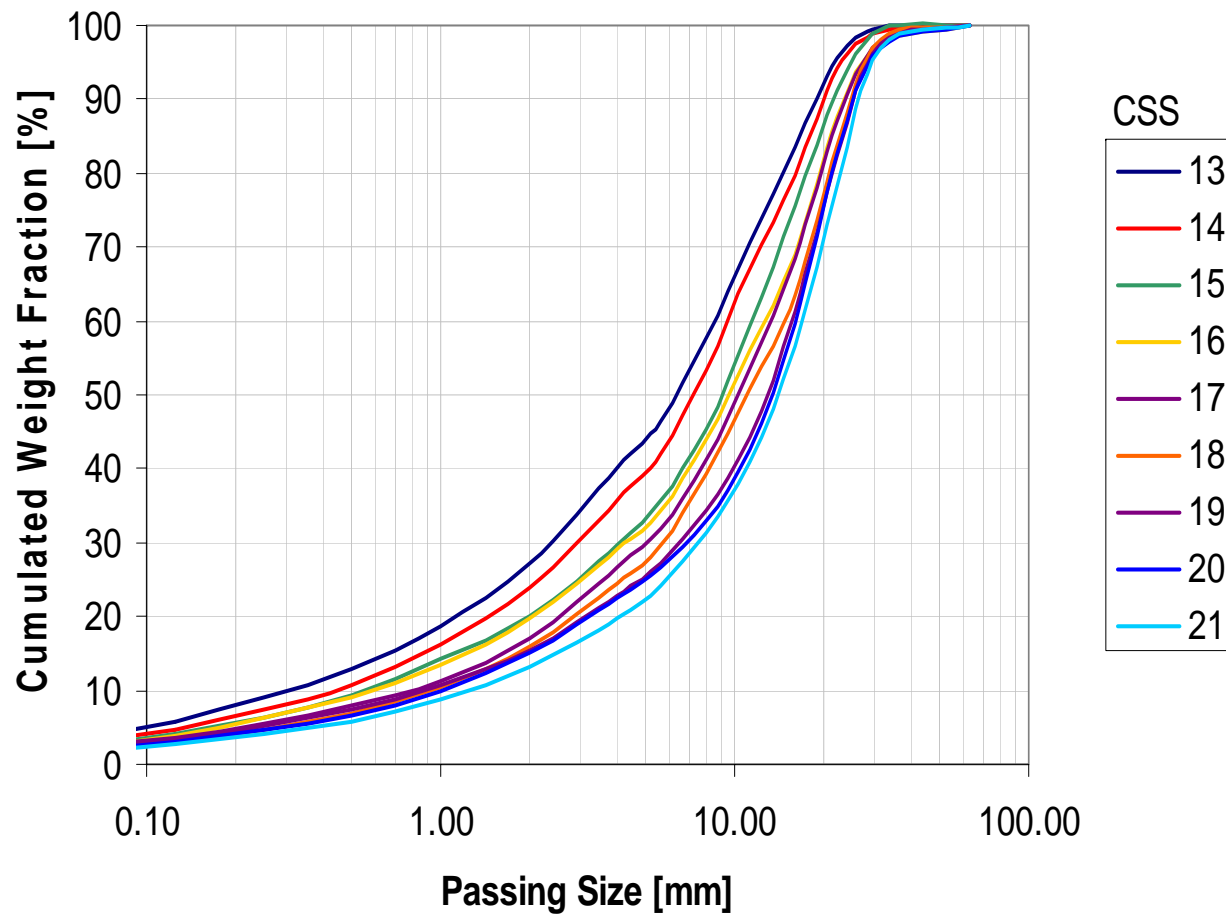




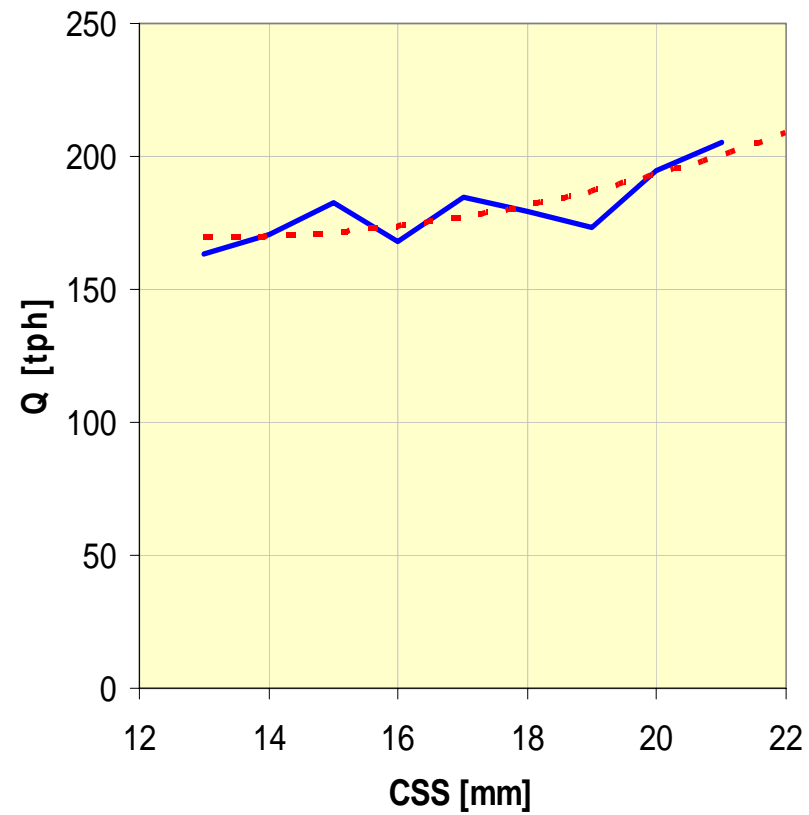
How did we do it?

- Calibration
- Nine (9) tests
 - CSS=13, 14, 15, ..., 21 mm
- Sieving
- Shape/flakiness index
- Ball mill index
- "Thougness" index

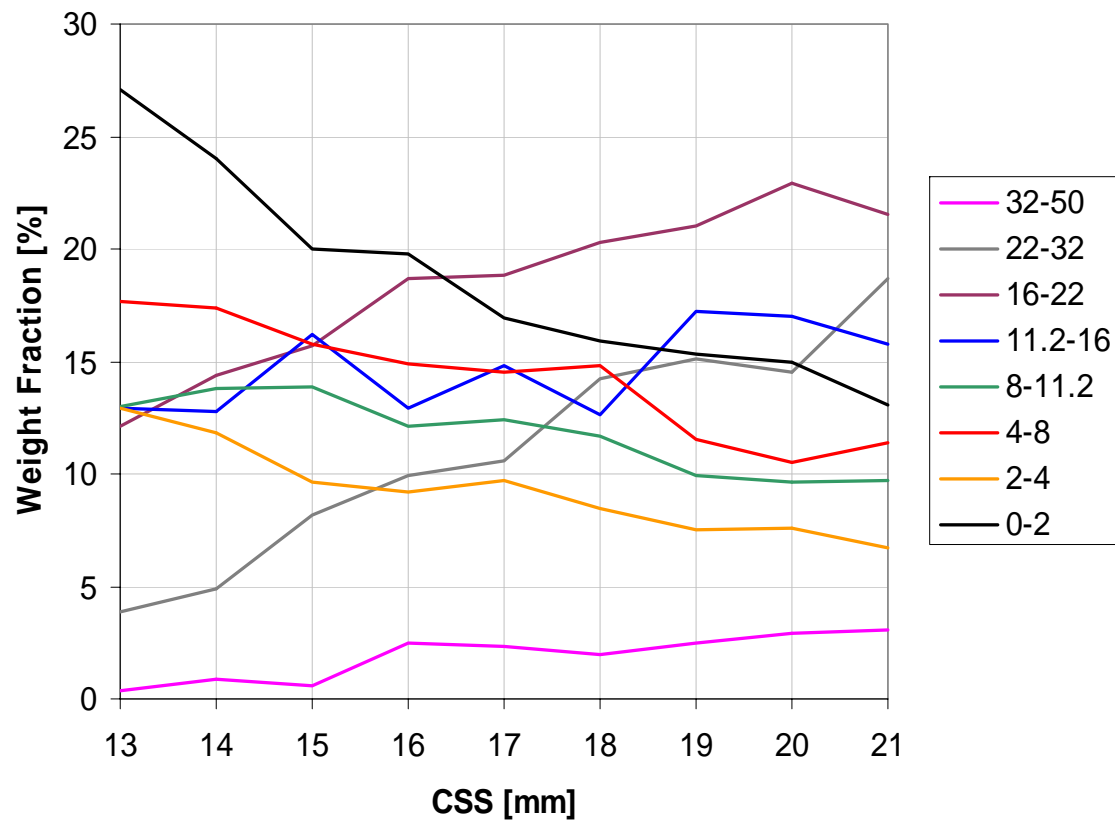
Particle Size Distributions



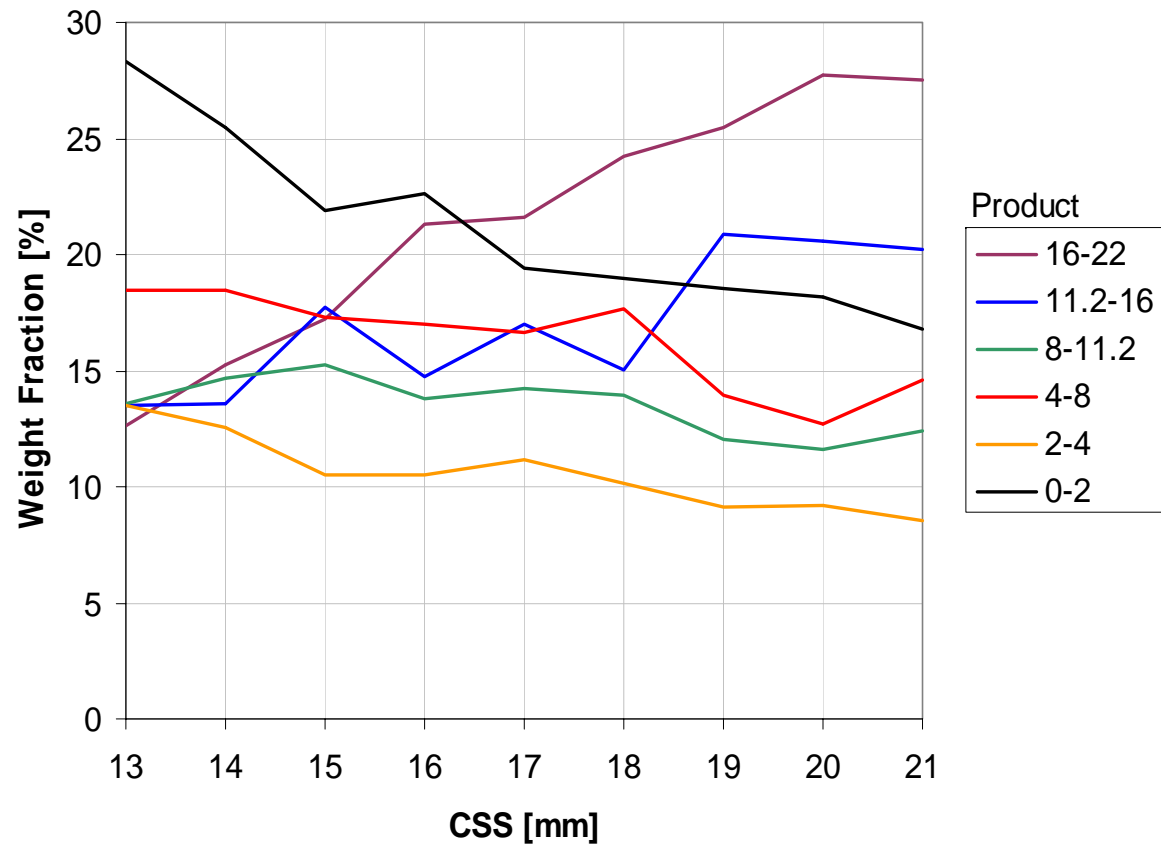
Capacity



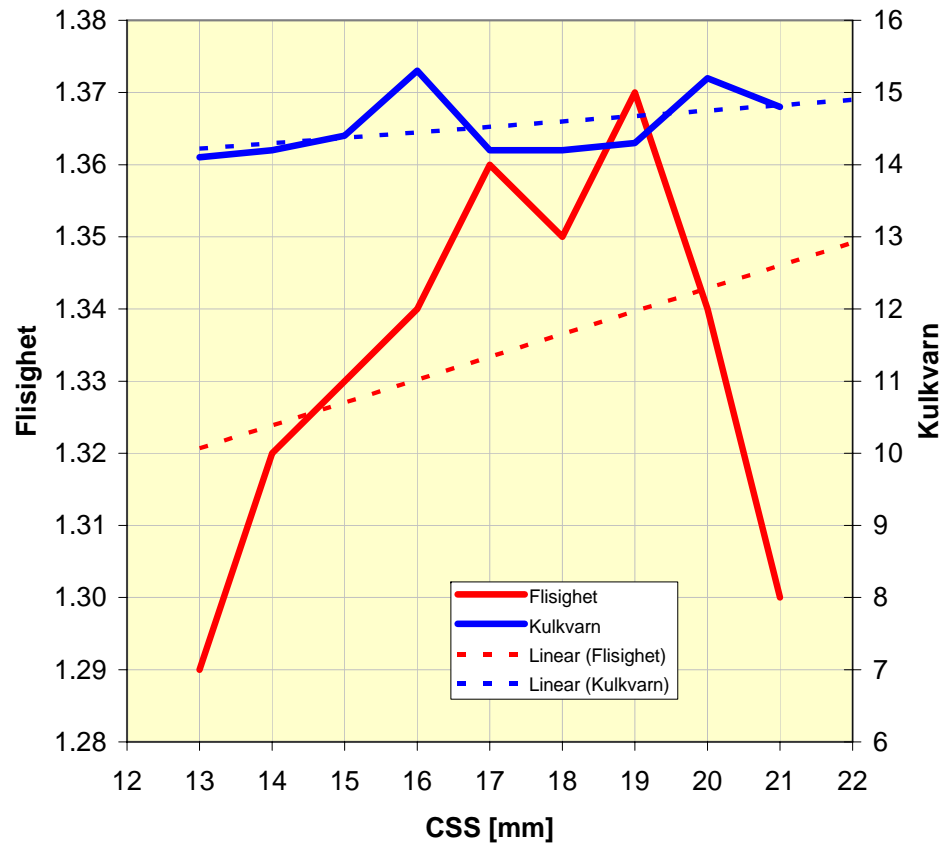
Yield from Crusher



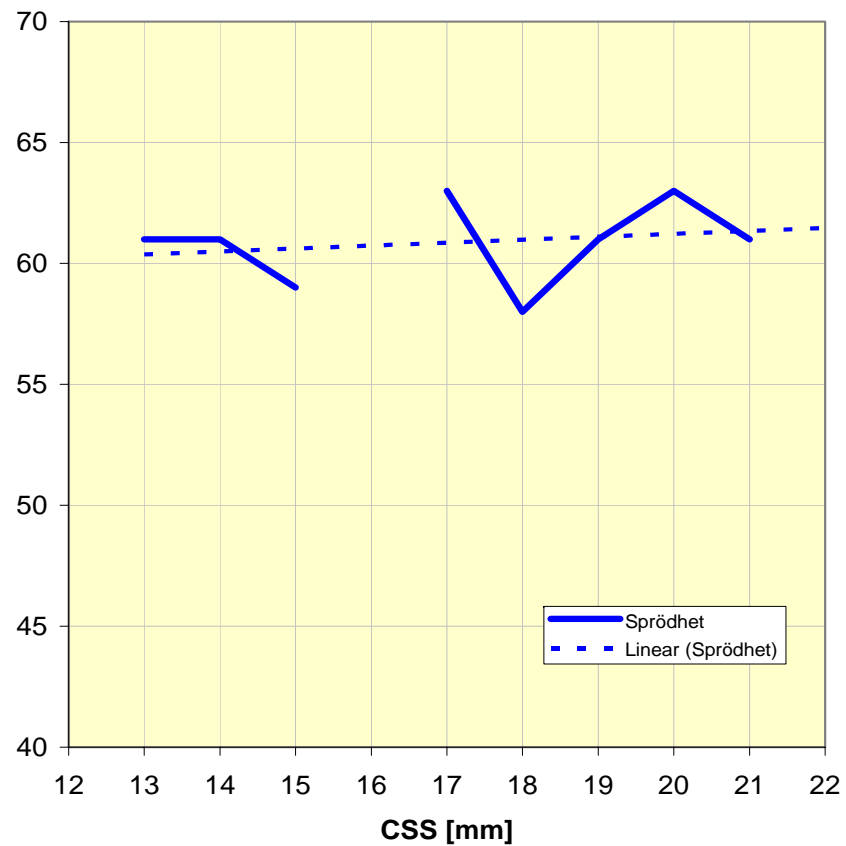
Yield from Mobile Unit



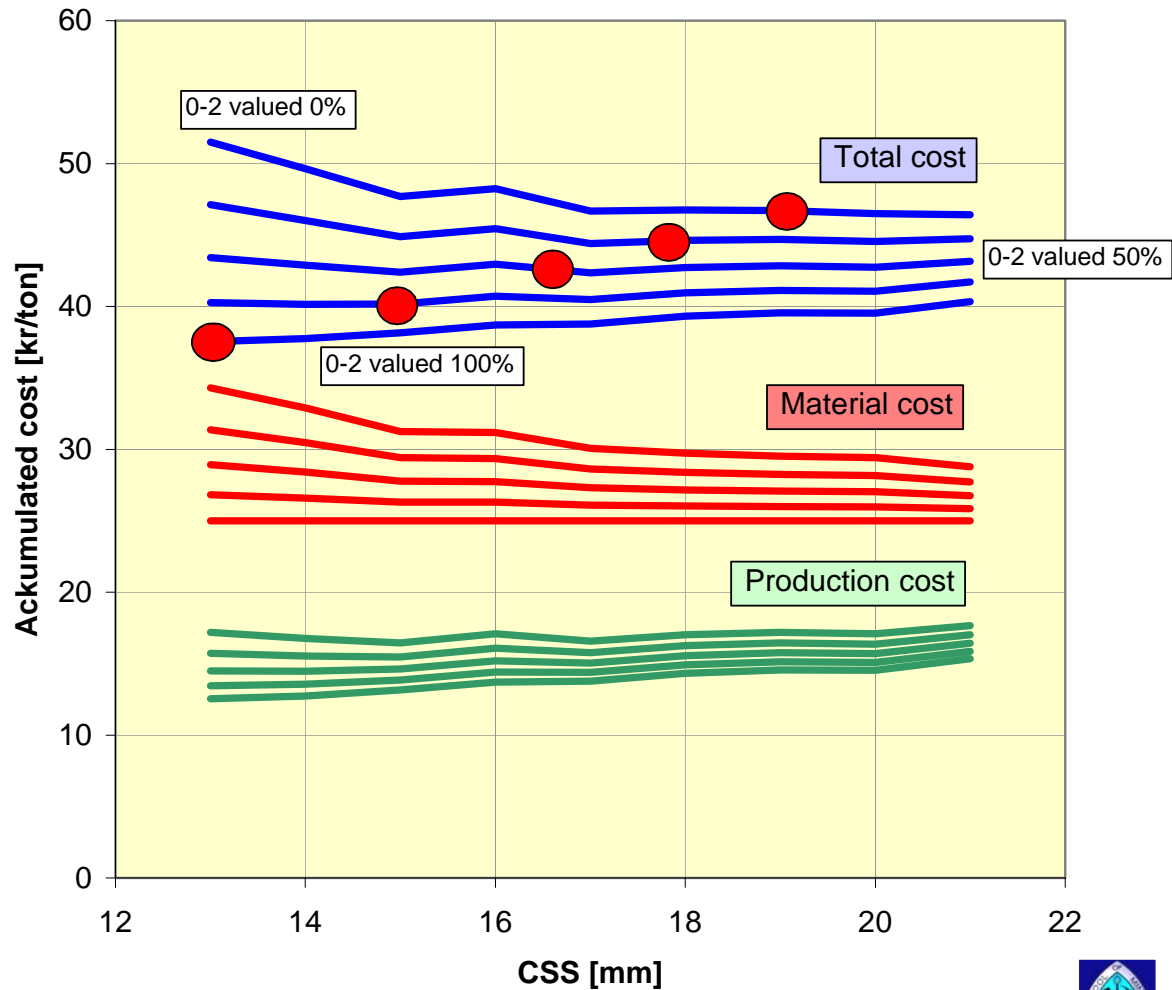
Quality



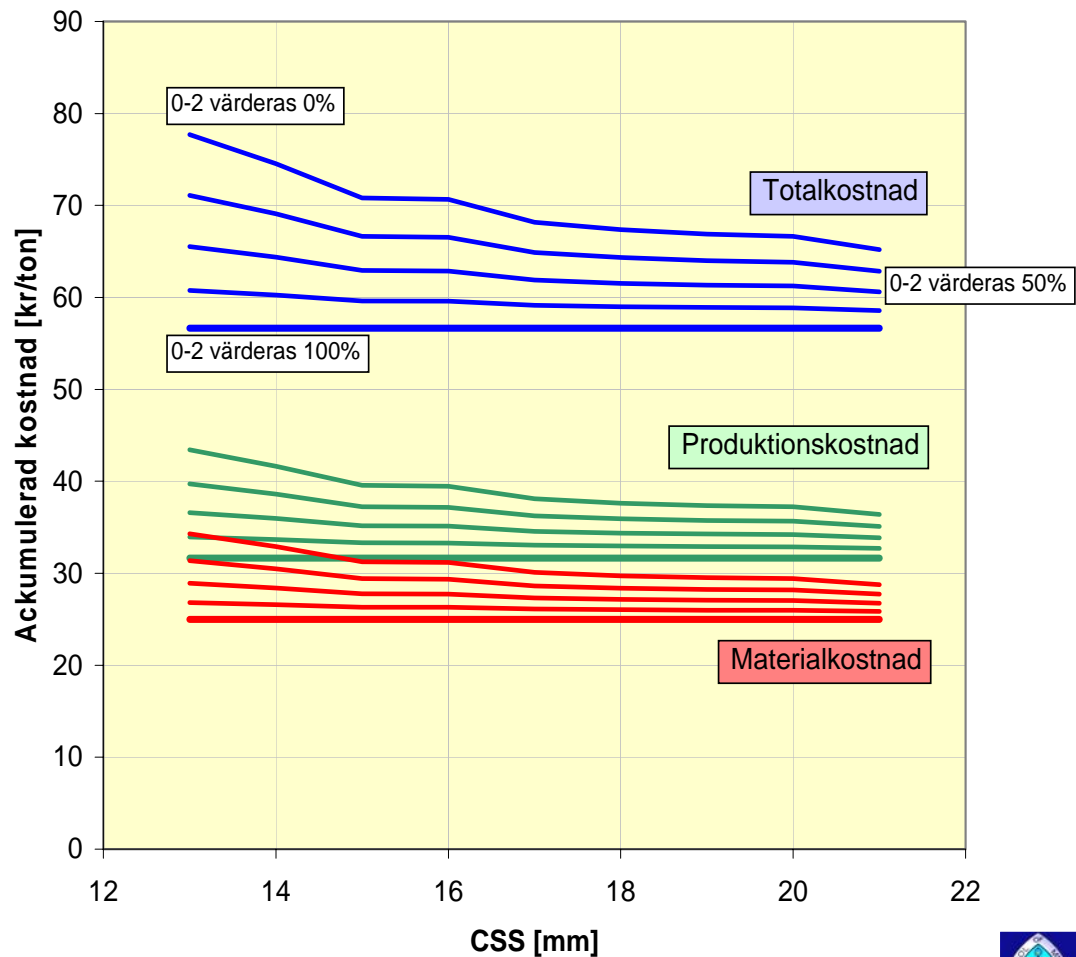
Quality



"True" Costs



Costs at fixed price



Misaligned feed



C or MC chamber?





Actions

- Frequent (daily) calibration
- Improved control
- Active choice of optimal CSS
- C or MC-chamber?
- 3rd stage?