

# 10 WAYS TO LOWER YOUR COST PER TON

## 1 MAKE SURE YOUR LOADING IS CORRECTLY PREPARED

The goal is to minimize the truck loading and exchange times. Load area should be at least two-truck lengths to allow for loader maneuver with safer and quick truck exchange. Use safety berm on benches.



# 1

## 2 OPTIMIZE BUCKET LOADING

Load bucket from ground level, avoid corner loading and use Impeller Clutch for control of ground speed, throttle lock for high RPM for hydraulic speed, fuel efficiency and reduced tire wear.



# 2

## 3 IDEAL LOADING TIME IS TWO MINUTES IN 4 OR 5 PASSES

Wheel loader should penetrate at 90° and spot truck at 45° with full bucket - for most productive "V" shape loading. With excavators, trucks should be spotted on the floor below the excavator for most productive "short swing" loading.



# 3

## 4 AVOID EXCESSIVE BENCH HEIGHTS

For optimum loading and safety, benches should not exceed 15m for wheel loaders. With excavators, the stick length is your best guide for bench height.



# 4

## 5 MATCH YOUR BUCKET AND GROUND ENGAGING TOOLS

A coordinated approach is best for the durability of your tools and the productivity and cost efficiency of your quarry.



# 5

## 6 BUILD HAUL ROADS FOR PRODUCTIVITY AND SAFETY

For safe high-speed hauling, width should be consistent (3 truck width) with linear grades (8% recommended), safety berms, elevated curves and good visibility.



# 6

## 7 KEEP SURFACES SMOOTH, WELL DRAINED & DUST CONTROLLED

Maintaining your haul road surface is vital for all-season safety and higher productivity through lower tire rolling resistance and reduced fuel consumption.



# 7

## 8 DO NOT OVERLOAD TRUCKS

For safety, machine durability and fuel efficiency, apply the 10/10/20 rule: no more than 10% of loads exceed 10% of the target payload, and no loads exceed 20% of the target payload.



# 8

## 9 ENSURE ADEQUATE SPACE IN YOUR DUMP AREA

3-trucks' length is the minimum size for a dump area, with safety berm at the crusher. Manoeuvre, dump and leave should not exceed 1:30"



# 9

## 10 ALWAYS PROVIDE ON-SITE SUPERVISION

A synchronized approach with efficient loading, well-maintained haul roads, consistently high productivity and safe operations will give you the lowest cost/ton.



# 10