



HERE COME THE BANANAS!

HYDRAULIC EXCAVATORS VS. ROPE SHOVELS

FOOD FOR THOUGHT

A BRIEF HISTORY



PARKER BAY GLOBAL STATISTICS

- ✘ Counting active shovels and excavators > 5 yd³
 - + 1700 rope shovels (29%)
 - + 4200 hydraulic excavators (71%)

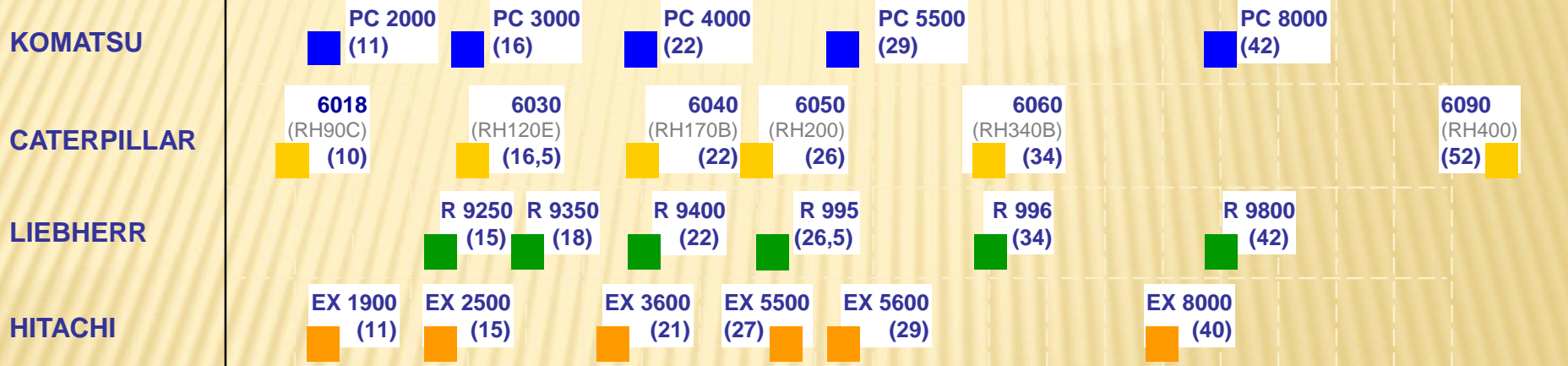
- ✘ Mining magazine also cites
 - + 2500 industrial scale mines worldwide
 - + Average gold mine life ~ 8 years
 - + Average copper mine life ~ 30 years

BUCKET CAPACITIES

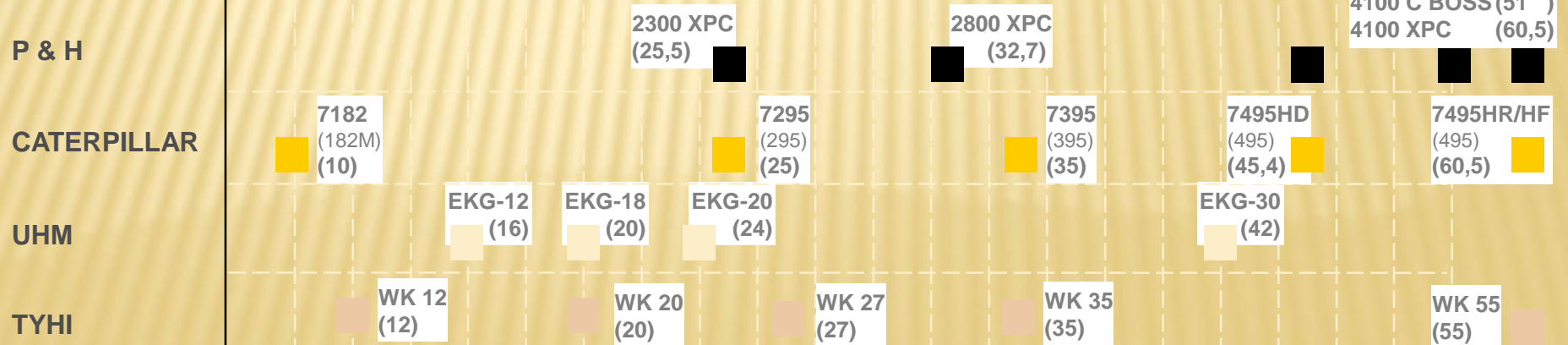
BUCKET SIZE
m³

10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50

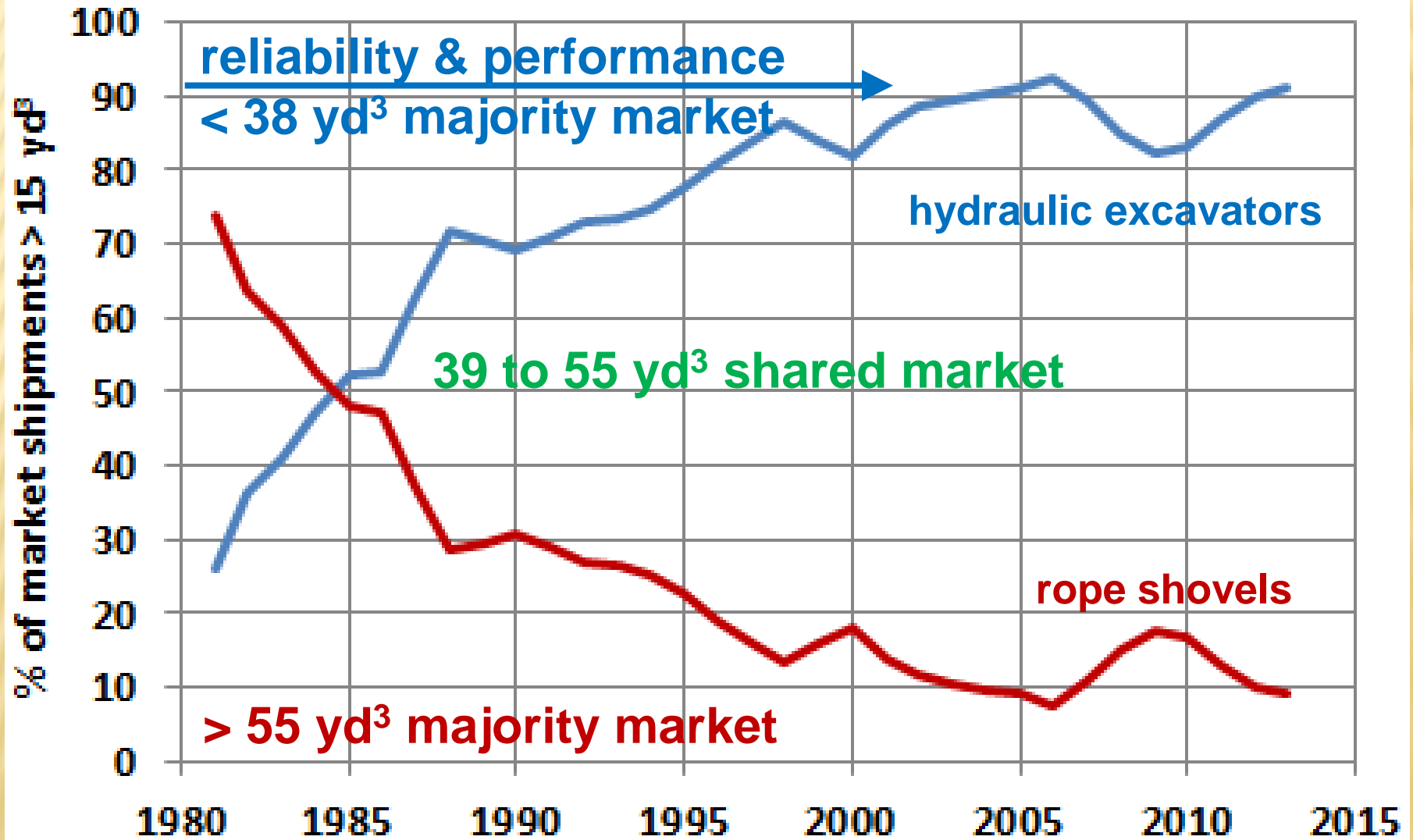
Hydraulic Mining Shovels



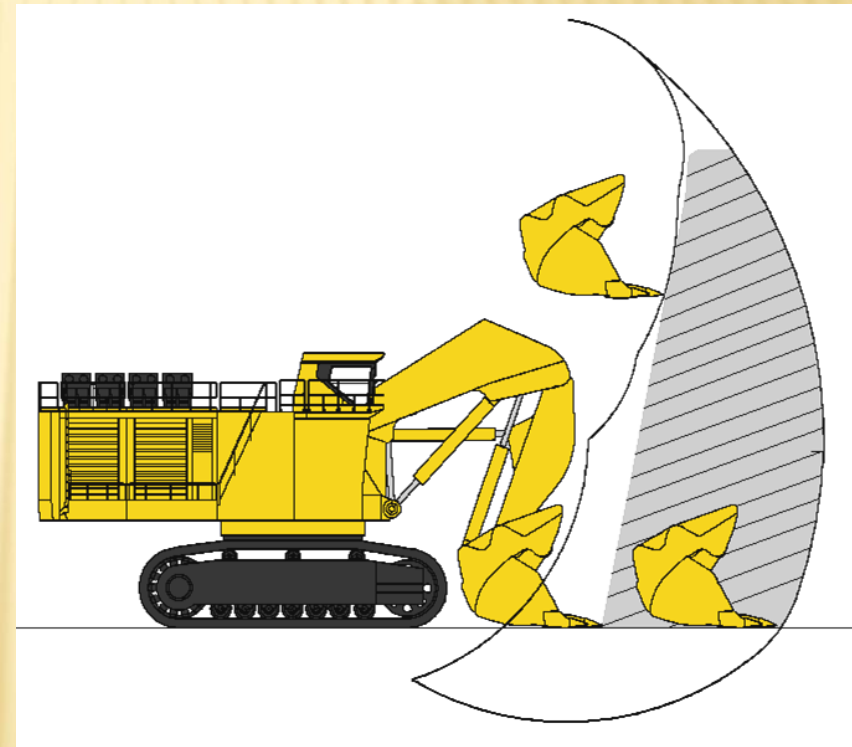
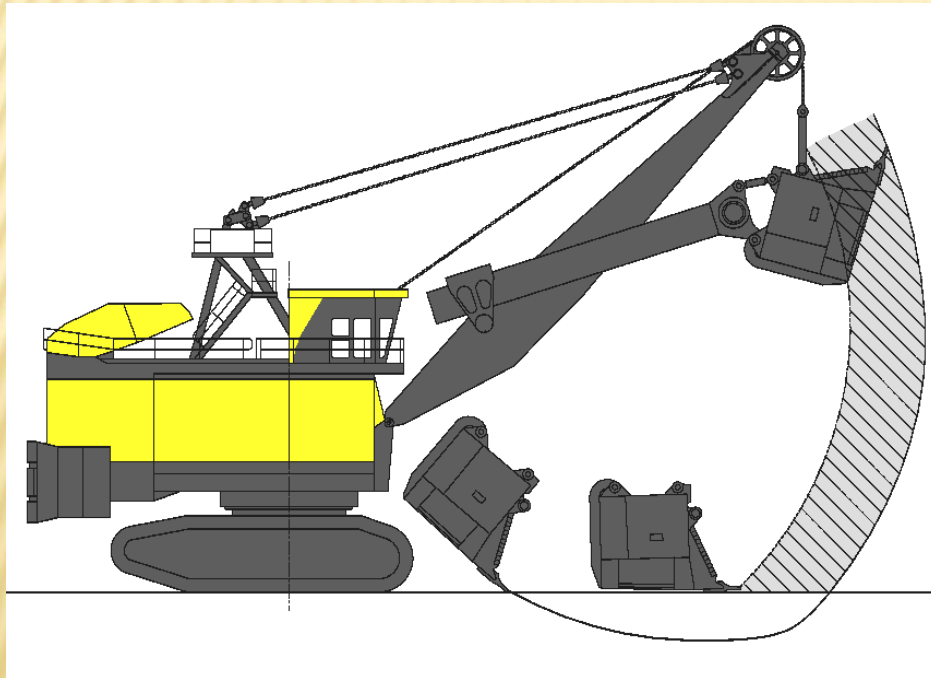
Rope Shovels



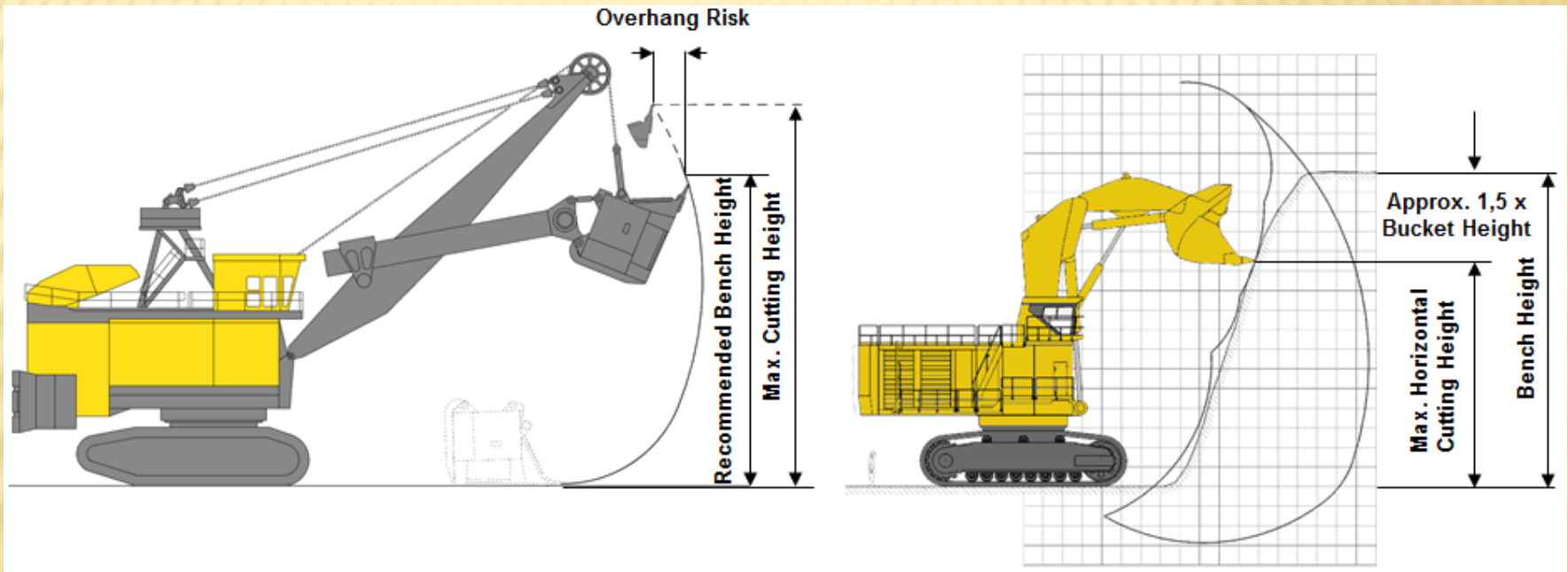
A COMPETITIVE MARKET?



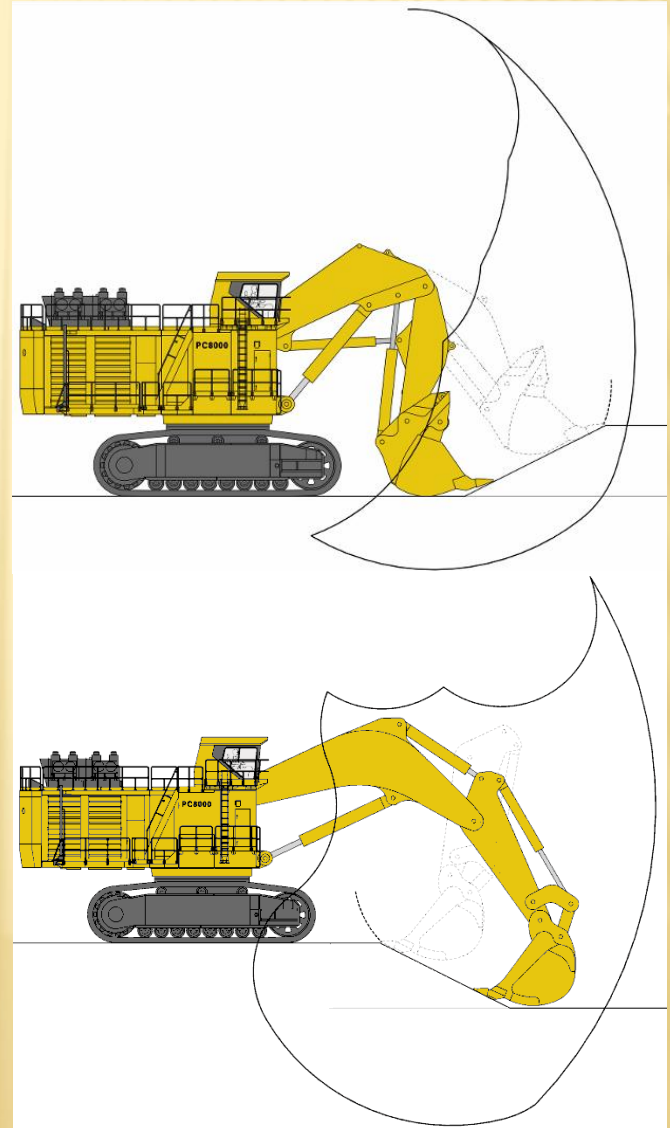
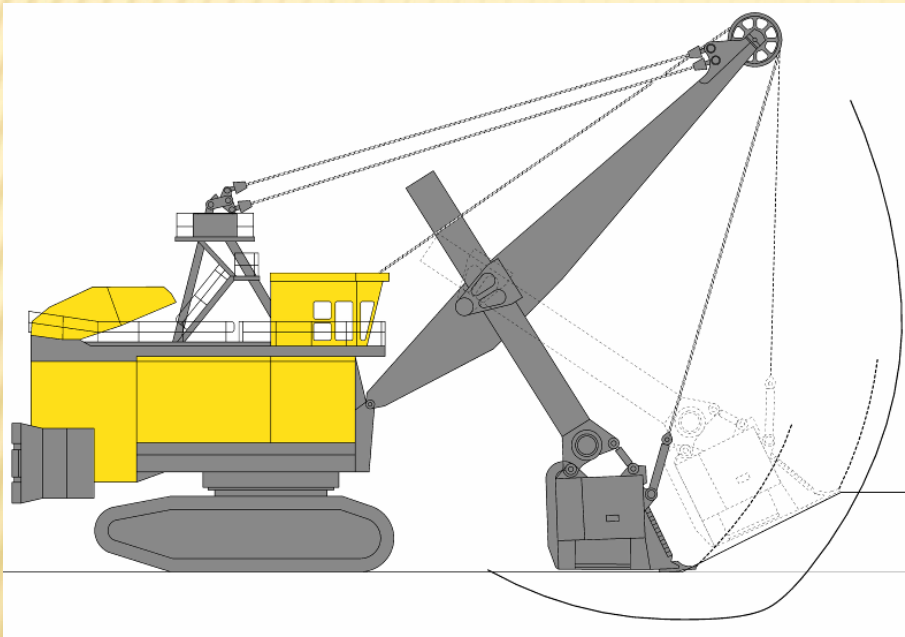
DIGGING ENVELOPES & MATERIAL QUALITY



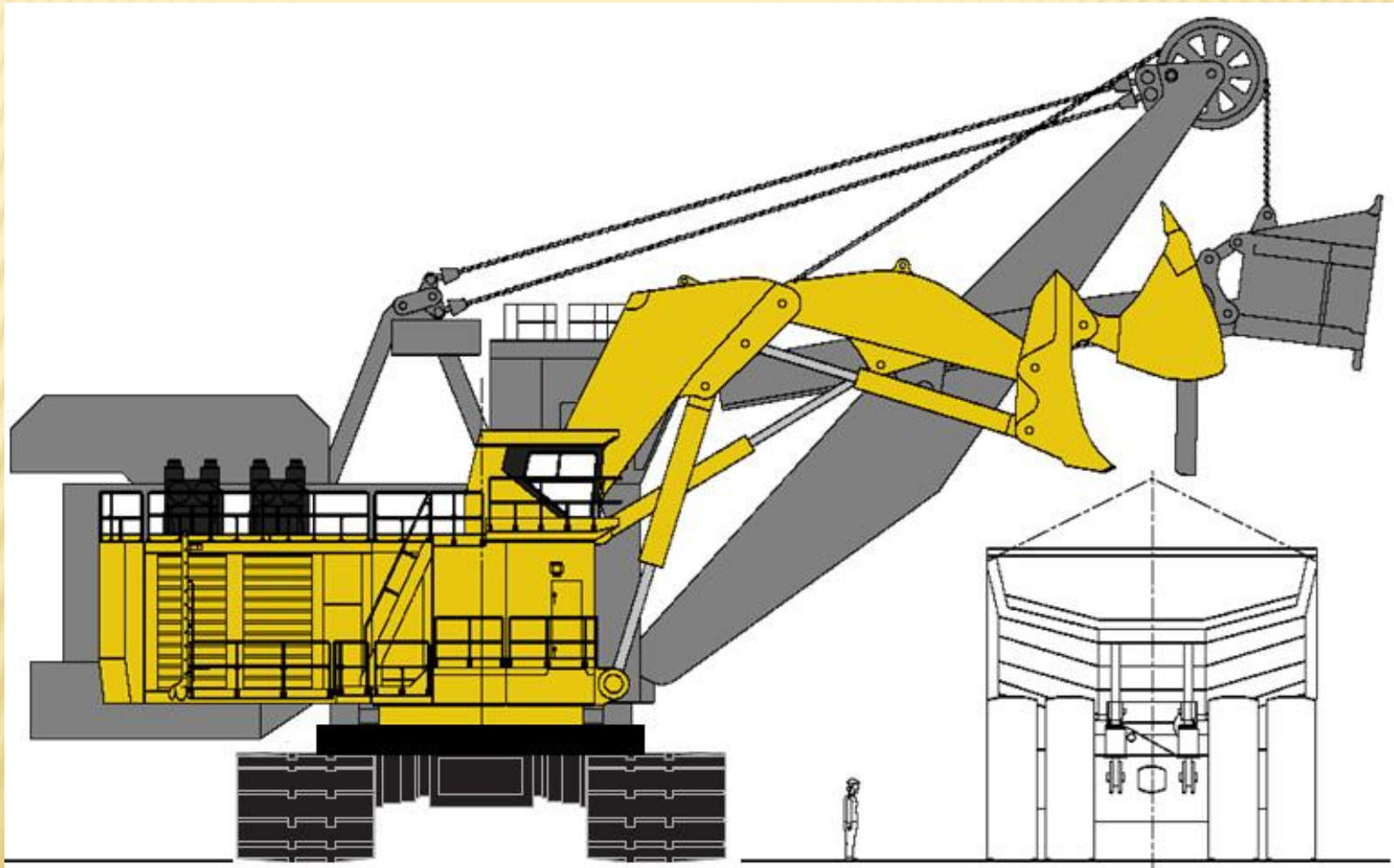
BENCH HEIGHT & SAFE RELEASE



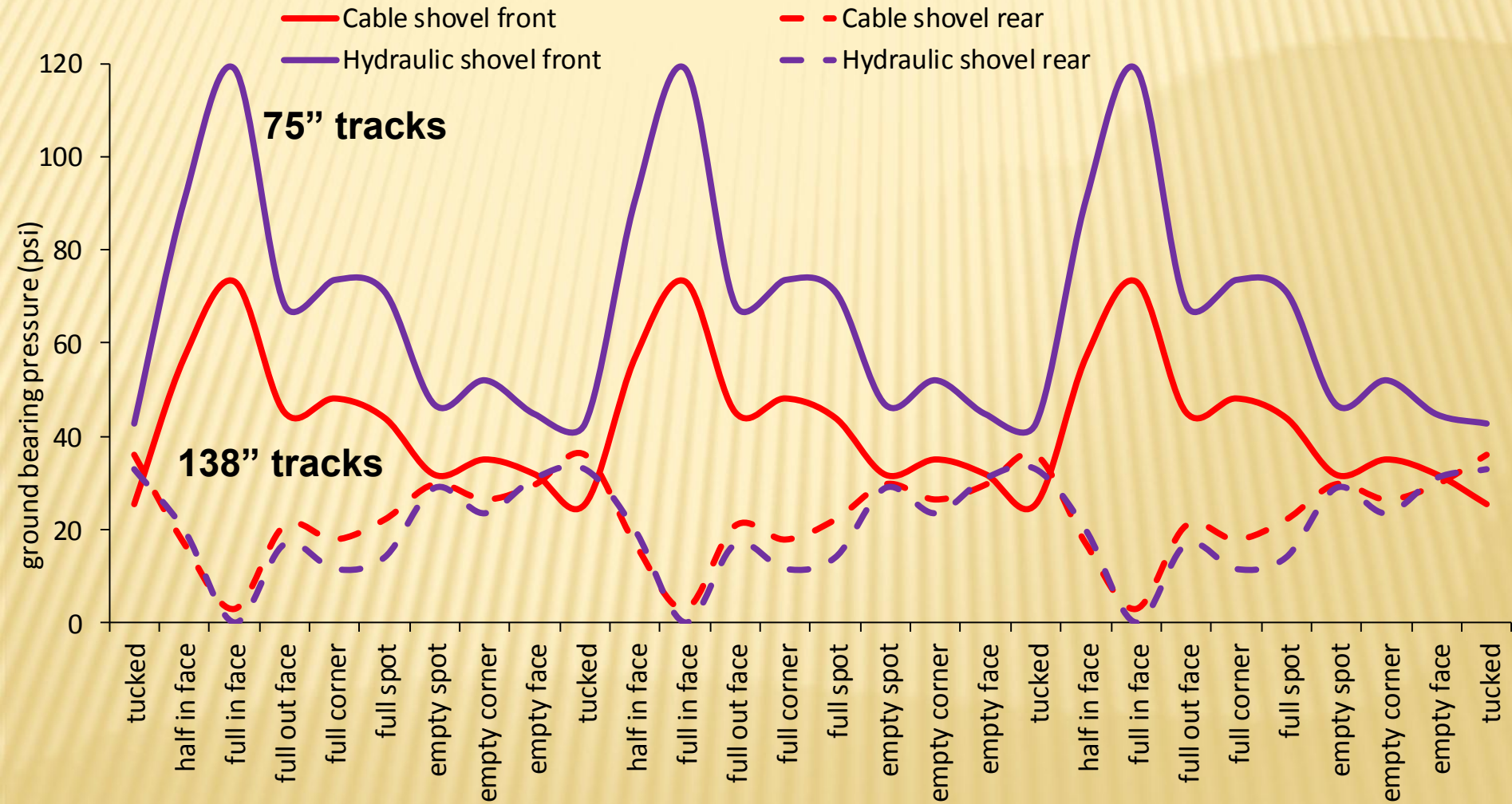
EXCAVATION NATURE & FLEXIBILITY



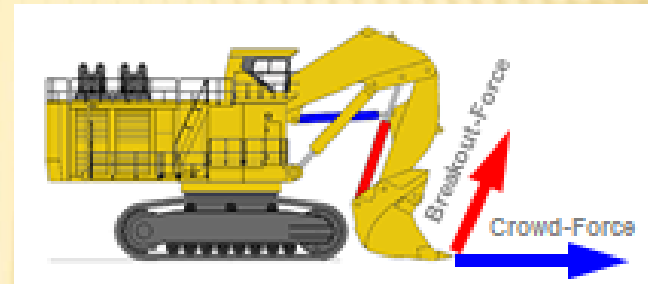
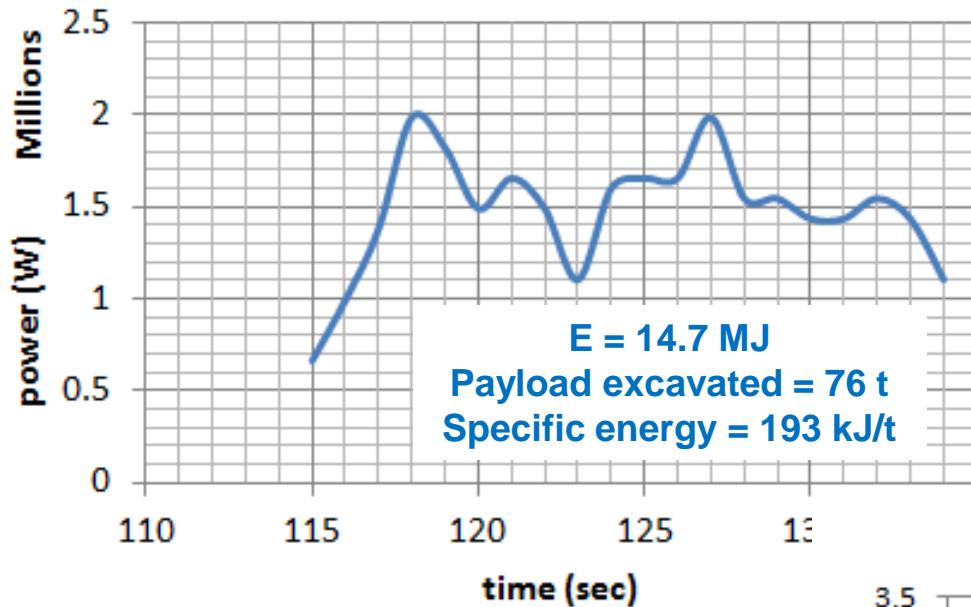
HAULER – SHOVEL PROXIMITY



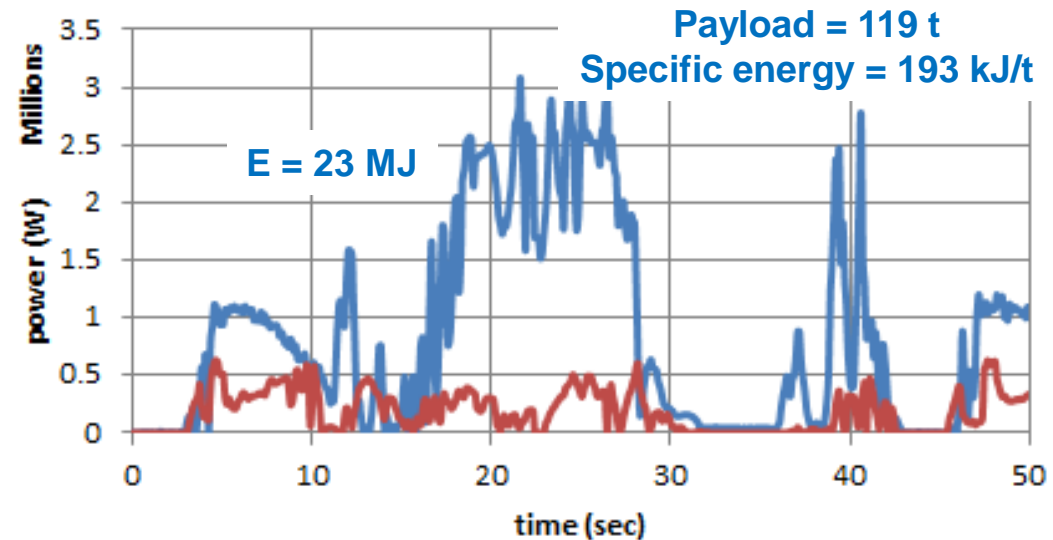
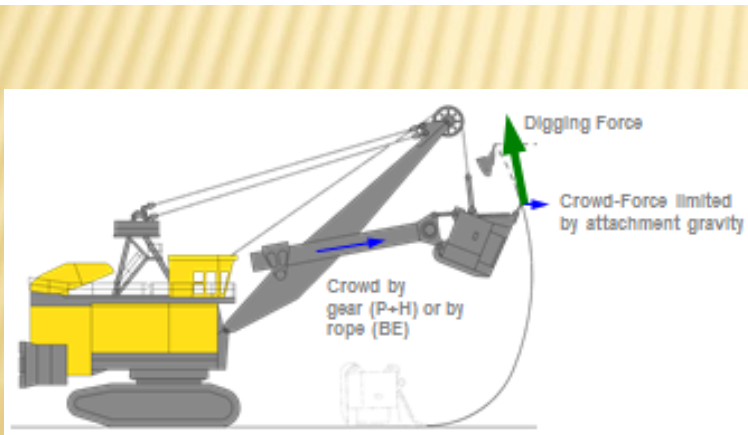
STABILITY & BALANCE



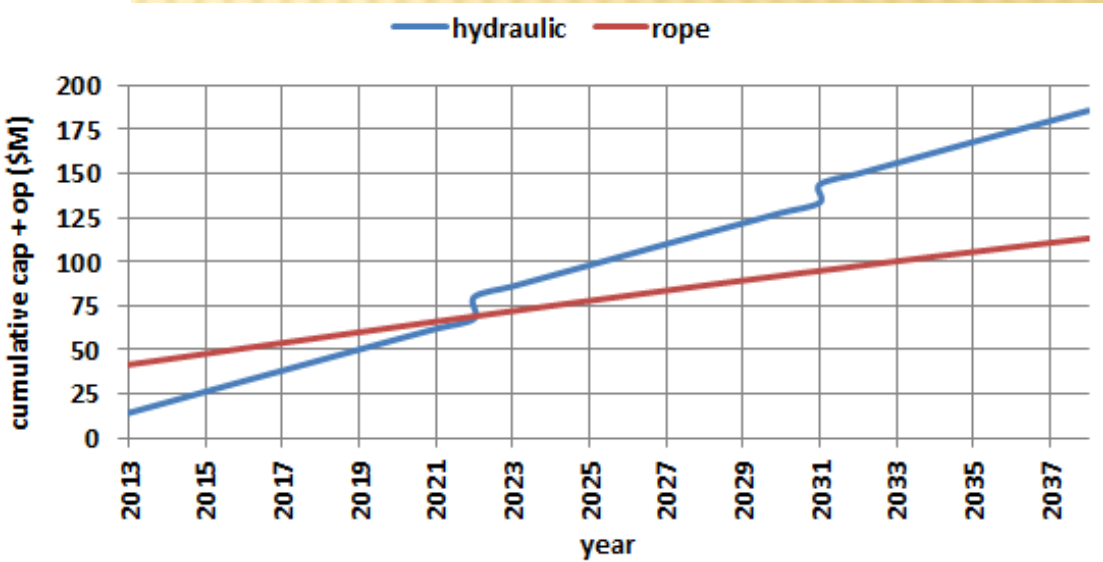
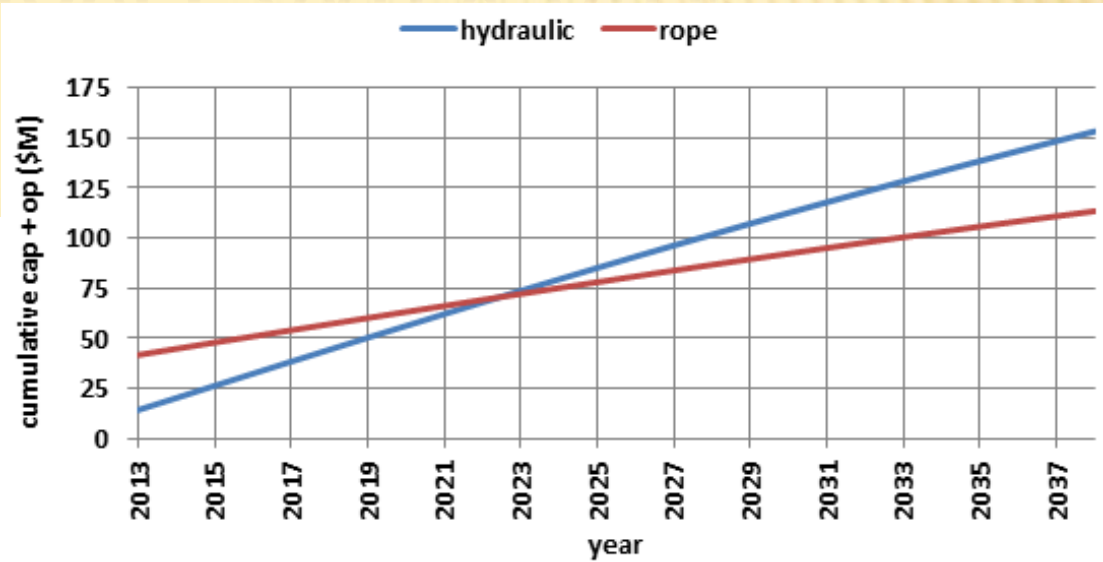
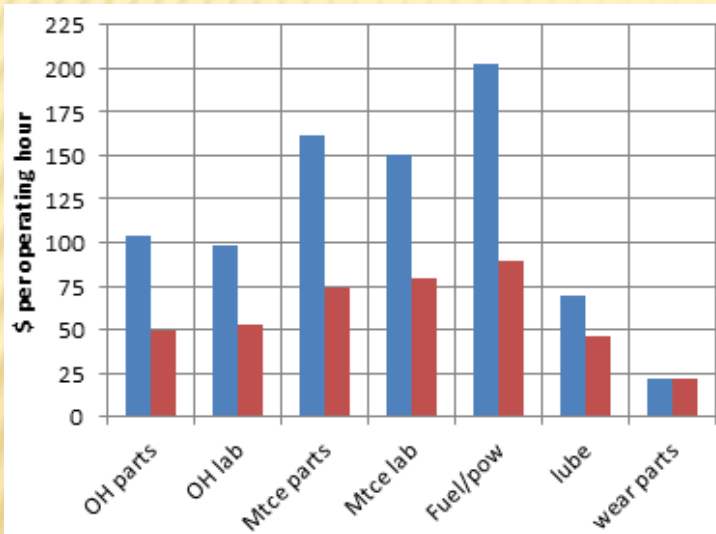
HEX VS. ROPE DIG CYCLE SPECIFIC ENERGY



— hoist power — crowd power



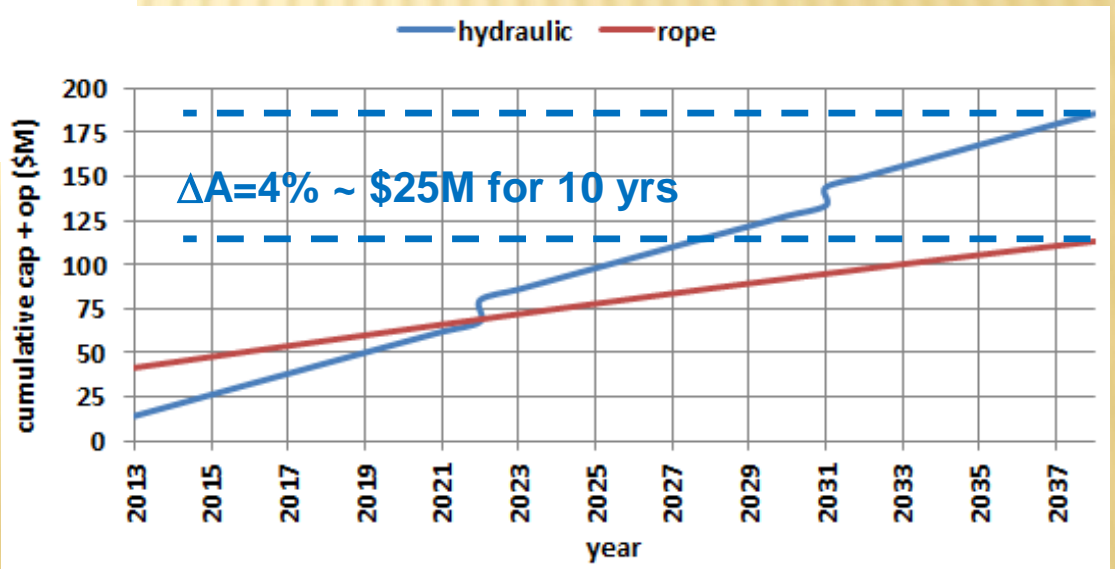
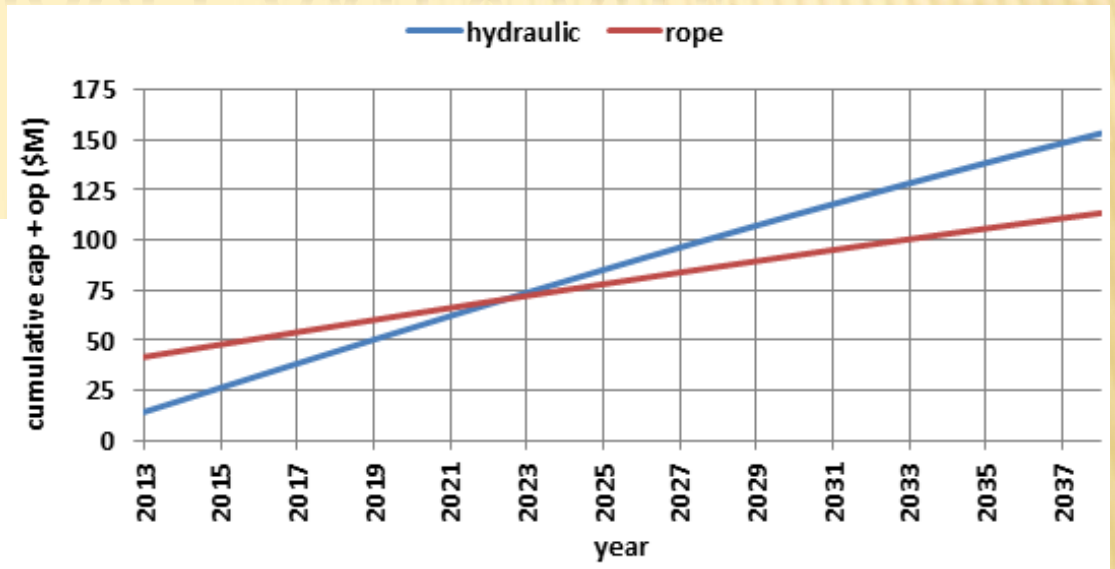
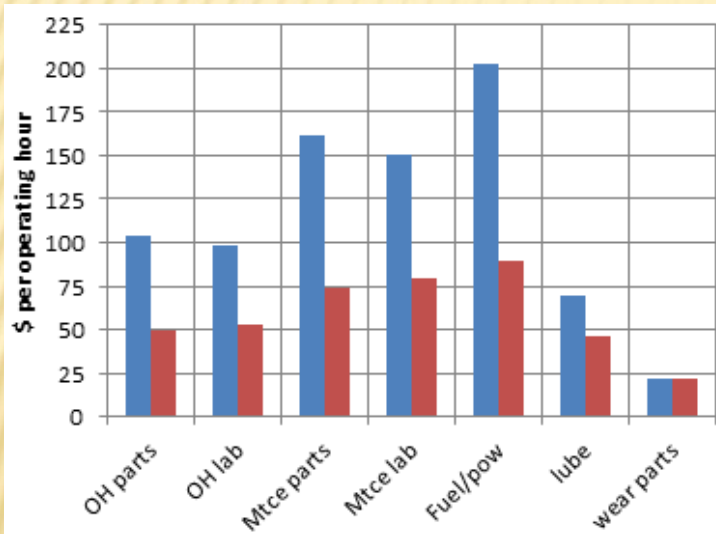
HEX VS. ROPE SHOVEL CAP & OP \$



Data sourced from Costmine
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2013 to 2037 \$ @ 6%

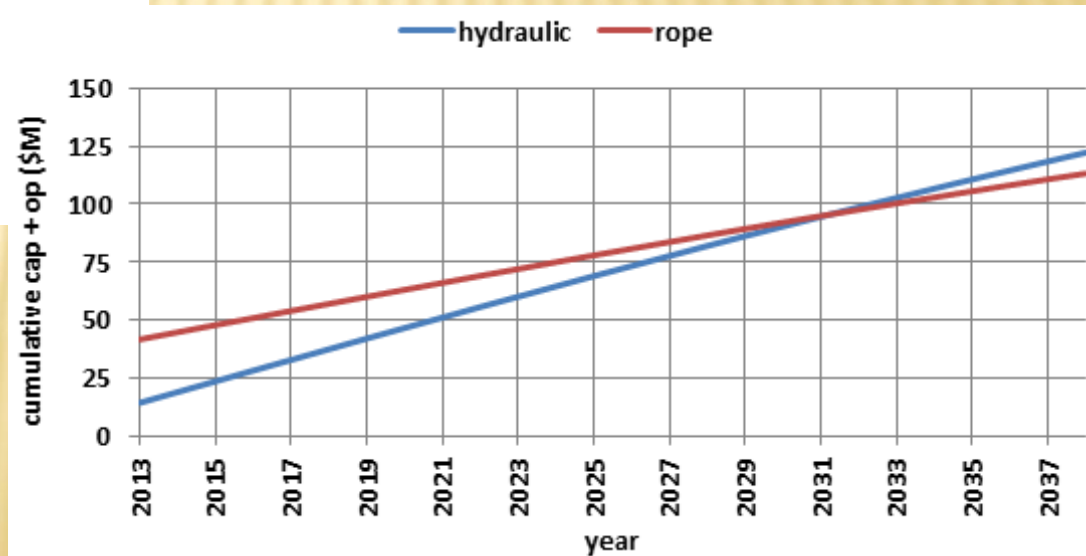
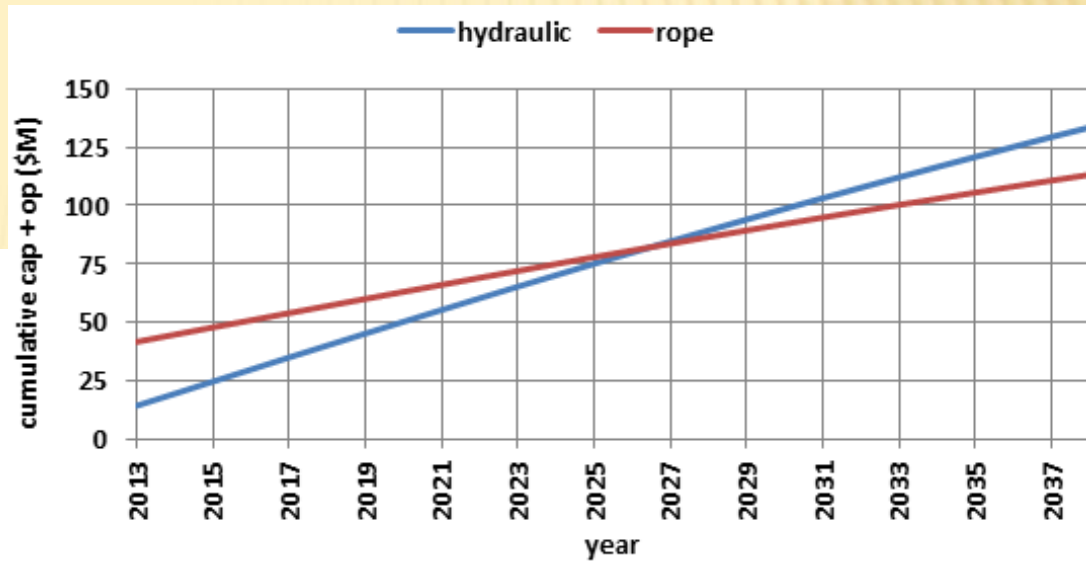
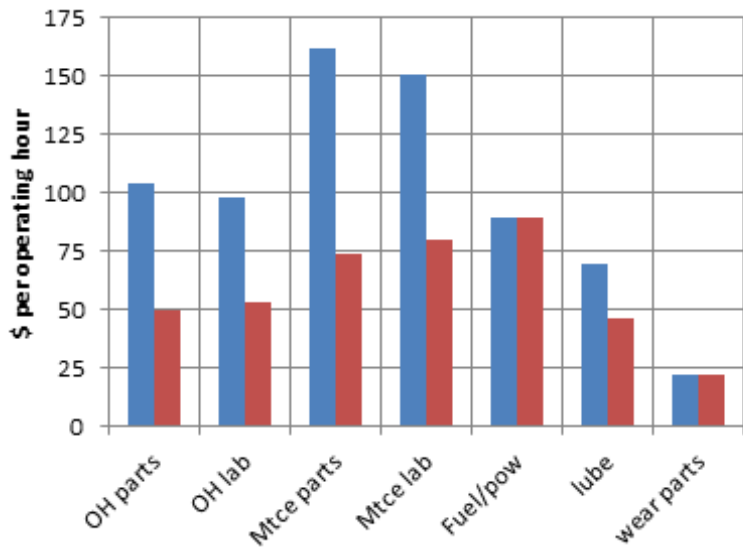
HEX VS. ROPE SHOVEL CAP & OP \$



Data sourced from Costmine
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2013 to 2037 \$ @ 6%

E-HEX VS. ROPE SHOVEL CAP & OP \$



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2013 to 2037 \$ @ 6%

FOOD FOR THOUGHT

- ✘ 1888 to 1971 to present day
- ✘ Long held beliefs are not necessarily true
- ✘ Industry standard data questionable?
- ✘ Sites are indeed specific
- ✘ Operational understanding
- ✘ Fuel & maintenance \$\$\$ impacts are huge

- ✘ Question everything

RUDYARD KIPLING SAID ...

- ✘ “Payday came ...
and with it beer”
- ✘ We are always
available for
payday
- ✘ Thank you.

