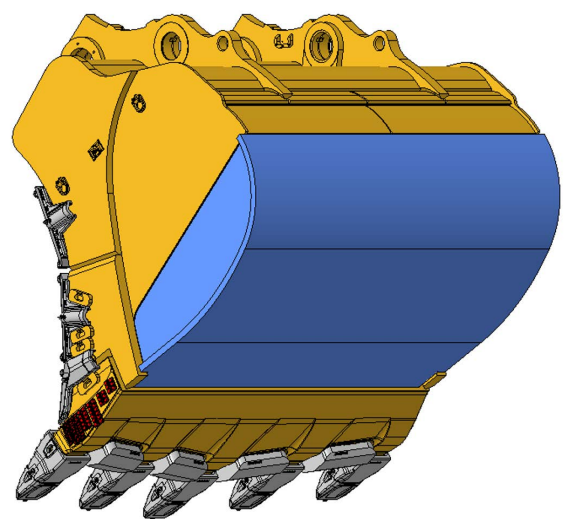


NEW REPLACEABLE BASKET FOR CAT® HYDRAULIC MINING SHOVEL BUCKETS



Caterpillar is pleased to announce an innovative 2-piece bucket design that dramatically reduces downtime by limiting refurbishment to the area of the bucket subjected to most of the wear – the basket. The consumable nature of a replaceable basket enables faster, easier, and safer refurbishment than with traditional buckets. In addition, the basket design can more easily evolve with mine site conditions, which further reduces downtime and optimizes capacity over the life of the bucket.



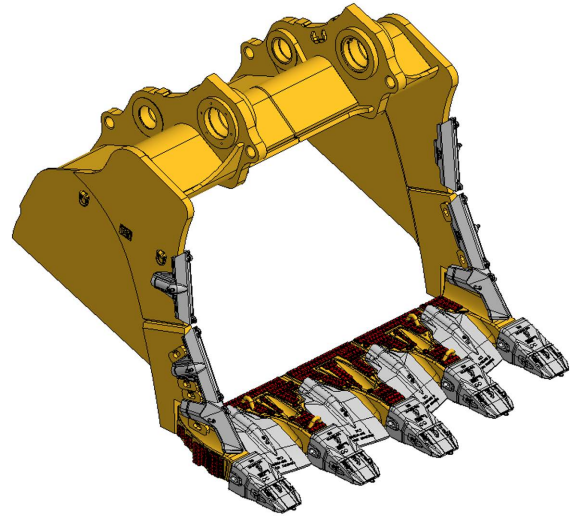
• PATENT PENDING



Features and Benefits

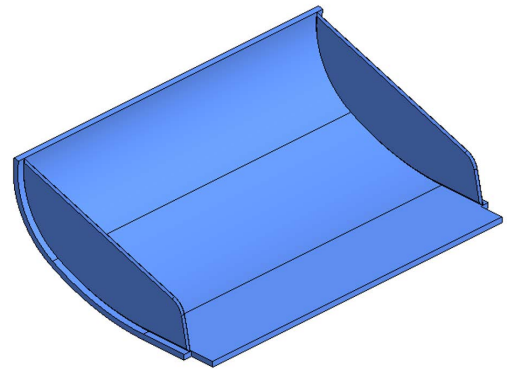
DURABLE STRUCTURES

- Durable by design, one upper structure will host a plurality of baskets during its long service life
- Lighter than conventional buckets, the hinge assembly is integrated into the upper structure
- Manufactured with structural steel and high wear resistance
- Fatigue life fully tested and validated with static FEA and strain gauge testing



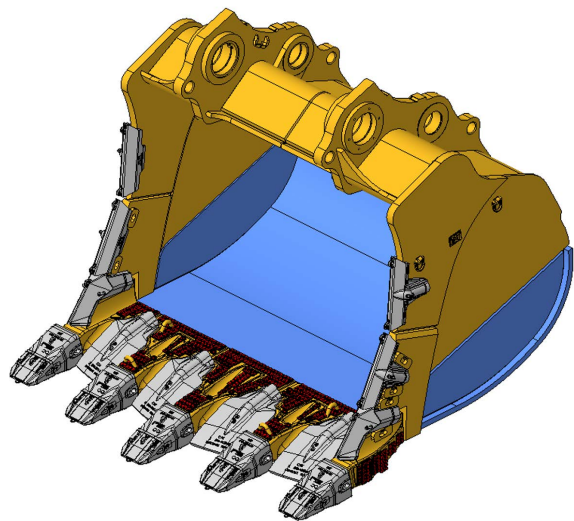
REPLACEABLE BASKET

- Basket is a single piece, with no liner or wear plates
- Basket floor and sideplate thickness optimized for bucket size and anticipated wear rate
- Basket sideplate shape engineered to actual wear profile
- Retrofittable onto legacy buckets, when conditions allow



SAFETY AND SERVICEABILITY

- Replacing just the basket requires less gouging, welding, and grinding than buckets protected with wear plates
- Single piece basket design is safer to replace and prevents potential injuries caused by stored energy
- Once designed, replaceable baskets can be ordered in advance and stocked on site



These new 2-piece buckets with replaceable basket will be available upon request via the MSO process, beginning in 2nd Qtr, 2020.

Please check with your local dealer or email the HMS worktools team at cgmhms-wt@cat.com for more details.