

Bradken Undercarriage for CAT6060 in West Africa

Location Tasiast, Mauritania, West Africa
Platform CAT6060/RH340
Conditions High Abrasion/Hard Rock
Solution Bradken Undercarriage

Situation

A customer based in high abrasion and hard rock conditions needed to reduce maintenance and change-out costs to support improved operational performance of the mine site.

Due to the aggressive terrain at the customer's site location and the high level of excavator travel crucial to meet operational performance, the previous undercarriage required a high amount of maintenance and change-outs to manage the extensive wear on individual parts. Furthermore, the repetitive repairs on the undercarriage meant maintenance crews were often performing hazardous tasks on the excavators in the mine increasing safety management concerns on-site.

The high level of maintenance and change-outs required resulted in extensive lost production time and a high amount of downtime. This equated to expensive operational costs, as well as increased safety management requirements.

Solution

Bradken supplied the customer with high-wear life crawler shoes. These shoes have performance and productivity benefits over the previous OEM shoes. Bradken's crawler shoes are designed for tough wear conditions and are made with through-hardened material that keeps the hardness constant throughout the life of the shoe.

The Bradken shoes also incorporate an improved roller path support structure to provide greater structural integrity and prevent premature breakages.

Results

- Increased production availability due to reduced maintenance and change-outs required and zero breakdowns recorded related to the Bradken undercarriage
- Increased wear life – Bradken shoes have demonstrated up to a 78% increase in undercarriage life over the OEM offering.
- Reduced infield maintenance improves safety implications

Results

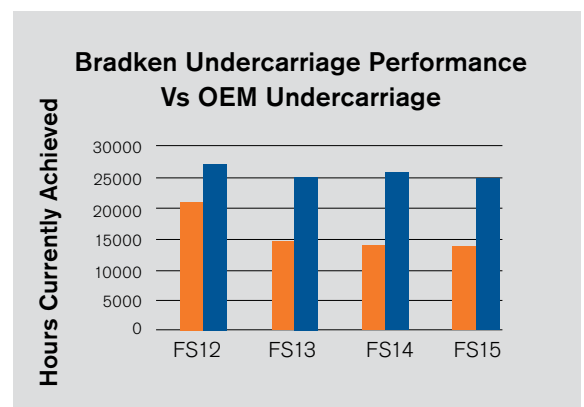
- 78% increase in wear life over OEM
- Productivity increase with fewer change-outs
- Reduced maintenance
- Reduced overall ownership cost by 56% over the period



CAT6060 Face Shovel #FS15 Fitted with BK UC & BK HFS Manufactured Bucket.



CAT6060 Face Shovel #FS14 Fitted with BK UC



Legend:
■ OEM U/C Achieved Hours
■ Bradken U/C Achieved Hours



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