

CASE STUDY

IMPROVED LINER LIFE FOR SANDVIK H3000

H-E PARTS INTERNATIONAL (H-E PARTS) SPECIALIZES IN PROVIDING WEAR MANAGEMENT SOLUTIONS. H-E PARTS LINER DEVELOPMENT PROGRAM HAS BEEN DEVELOPED TO OPTIMIZE LINER DESIGNS ON A SITE BY SITE BASIS AND INVOLVES THE ONGOING ANALYSIS OF SITE OPERATIONAL REQUIREMENTS, MACHINE OPERATING PARAMETERS AND WORN LINER PROFILES.

Mackay Sand and Gravel contacted H-E Parts for assistance in extending the liner life of their Sandvik H3000 liners on their secondary crusher. Previously supplied OEM and after-market liners were not meeting required maintenance targets and were achieving as little as 21,500 tons (19,500 tonnes) before requiring a change-out.

Typically, H-E Parts recommend a liner development program that utilizes state-of-the-art laser scanning in conjunction with H-E Parts proprietary ChamberVision™ and CrusherVision™ software, allowing H-E Parts dedicated engineering specialists to offer a solution to extend liner life and reduce total cost of ownership. However to expedite delivery and meet customer requirements, H-E Parts supplied a standard profile in their CME™ MnElite manganese steel grade, which have a superior material composition to those offered by our competitors.

The results were as expected with the improved CME™ liners performing 35% - 70% better than other previously supplied liners. Mackay Sand and Gravel were impressed with the liner life advancements made by H-E Parts and have already placed further orders.



ALTERNATE SUPPLIERS	AVERAGE LIFE (TONS)	MATERIAL
AQMS	19,500	18%
SANDVIK	21,000	18%
PRECISIONSCREEN	21,500	18%
2MT MINING PRODUCTS	25,000	22%
H-E PARTS	33,665	21%

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