

# CASE STUDY

## IMPROVED LINER LIFE ON PEGSON 1000 CRUSHER

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 PERFORMANCE DATA.

H-E Parts worked with a gold mine located in the southern tablelands of New South Wales, approximately 37 miles (60km) south-east of Canberra, Australia. The mine operates two Pegson 1000 cone crushers and experienced lower than expected liner life with the OEM supplied liners. Additionally, the change-outs did not align with the on-site jaw crusher rotation causing increased downtime.

H-E Parts provided a proposal tailored to the customers site specific requirements, which included the supply of a CME™ liner set with a heavy duty profile. H-E Parts achieved these improvements by utilizing our proprietary ChamberVision and CrusherVision predictive modeling software to design a customized liner set based on site-specific requirements and goals. Our wear modeling and monitoring capability forms part of our ongoing product support service – allowing H-E Parts to assist with planning and change-out scheduling.

Following the installation of the H-E Parts liners, the life improved from 24,250 tons (22,000 tonnes) per set with the OEM liners up to 35,270 tons (32,000 tonnes) with the CME™ liners, or a 45% improvement. This also meant the Pegson crushers change-out schedule now aligns with the on-site jaw crusher.

H-E Parts continue to work with site proving wear modeling and monitoring services to provide further continuous improvements. The next stage will be to introduce a material composition upgrade to the CME™ MnElite product which is a 21% grade, with the intention of providing significant further life improvements.

CUSTOMER	Gold Mine
LOCATION	New South Wales, Australia
APPLICATION	Pegson 1000
PRODUCT	CME™ crusher liners



CME™ compatible replacement Pegson 1000 liners

	AVG. LINER SET LIFE T (MT)	LIFE IMPROVEMENT (%)
OEM	~24,250 (~22,000)	
CME™ liner	~35,270 (~32,000)	45%

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