

PROCLAWS BUCKET CONVERSION

ISLAND BLOCK COAL MINE PC450 PROCLAW SYSTEM

Late November of 2018, Island Block coal mine in New Zealand replaced their existing GET system on a PC450 excavator with the Combi ProClaw system supplied by Lawson Engineering. The Island block coal mine is a hard rock coal mine located in the Reefton area on the west coast of New Zealand. The PC450 is primarily used to strip the hard rock overburden, as such it is in an abrasive environment. The previous GET system was getting only 250 hours from the teeth before requiring replacement. Since fitting the ProClaw W20 system the mine has noticed a significant difference in wear. After 180 hours, there is only 5 mm of wear on the corner teeth and they expect to get at least 50% better life from the ProClaw system. In addition the ProClaw system is much tighter than the other systems on site which will also aid in better life for teeth and adaptors.

Steve, the mine supervisor said they “expect to get **significant savings** from the Combi ProClaw setup”.

Lawson Engineering is located in Ikamatua, west coast New Zealand and specialise in supplying engineering, mechanical, hydraulic and portable line boring services to an extensive range of large mines and quarries in New Zealand.

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combi wear parts

move the earth

ProClaws has several unique features. For instance, the system is designed to more efficiently absorb the impact forces it is being exposed to. ProClaws has been designed so the teeth maintain maximum sharpness the whole time they are in operation. The system has a very slim profile for optimal penetration. The coupling geometry has been simplified yet strengthened and the tooth slides into place with minimal effort. The assembly is held in place by a vertical top-mounted and mechanical locking device which reflects the market demand and optimal design from an engineering standpoint.

