

Application story



Gold Mining with High Pressure Water

Location	Russia	Hydra-Cell model	G15XDBTHFECA
Type of application	Gold Mining with High Pressure Water	Flow rate	50 L/min (13.2 G/min)
Liquid	Water	Pressure	172 bar (2500 psi)
Application details	Hydra-Cell® shines in gold mining Mining Company "May" is one of the largest gold mining companies in Russia's Magadan Oblast region, an area some eight time zones east of Moscow and one so remote that it is only approachable by air or sea. Producing annually up to 1500 kg of the precious metal, the company required a reliable pump to crack open cold soil with high pressure water and potentially release gold. A plunger pump used for the application was unable to handle abrasive particles in the pumped water and proving highly unreliable as a result of plunger and packing wear. A Hydra-Cell G15 pump, proposed and supplied by Wanner's distributor Pump Union, meets the pressure requirement and has now run perfectly for more than two years. Having no dynamic seals to wear means the pump is able to handle abrasive solids with ease; proving the pump's outstanding reliability.		
Advantages of Hydra-Cell pump on this application	Hydra-Cell was chosen for this application for the following reasons: - Its ability to pump with potentially particle laden liquid with ease. - Its seal-less design, mean that maintenance costs are vastly lower than before.		

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