

Application story



Pressure Testing

Location	South Texas, USA (Installation: October 2015)	Hydra-Cell model	T100ERDTDDEHA
Type of application	Erosion Pressure Testing	Flow rate	22 m3/hr (5811.7 USgph)
Liquid	Water with Silicon Carbide Particles	Pressure	70 bar (1015 psi)
Application details	A large, reputable research institute is conducting erosion testing of down hole components for the oil and gas industry. They are tasked with simulating a 20 year life by pumping 4500 ppm of silicon carbide through the component under test. Inlet pressure: Charge pump Duty cycle: Intermittent They had procured a Gaso 1500 series pump for the project, but could not get more than 9 hours of service before the piston cups were scored and the liners needed replacing. This early wear on parts was unacceptable and an urgent alternative pump technology was needed as a replacement.		
Advantages of Hydra-Cell pump on this application	The Hydra-Cell pump was chosen to replace the plunger pump due to the seal-less design that ensures reliable handling of liquids with abrasive particles, and with no dynamic seals or packing to wear or replace.		

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