

Application story



High Pressure Coolant for Oilfield Component Machining

Location	India	Hydra-Cell model	G10XKCTHFFECH / G25XKCTHFEYA
Type of application	High Pressure Coolant for Oilfield Component Machining	Flow rate	G10: Up to 30 L/min (7.9 gpm) / G25: Up to 70 L/min (18.5 gpm)
Liquid	Machine Tool Coolant	Pressure	Up to 50 bar (725 psi)
Application details	T-3 Energy Services, LLC manufactures, remanufactures, installs, repairs, and services oilfield industry products including valves, drilling and production chokes, actuators, accumulators, blow out preventers, subsea products, manifolds, and wellhead equipment.		

For machining valve forgings the Company uses Doosan machine tools, equipped with Hydra-Cell high pressure coolant pumps that have given trouble-free service for over four years.

A further two machines used radial piston pumps which suffered wear and a consequent drop in performance. As of 2016, both of these pumps have been replaced with Hydra-Cell G25 pumps.

Hydra-Cell's low maintenance, leak-free design along with its ability to handle solid particles avoiding premature failure has made it the pump of choice for coolant delivery with T-3 Energy.

Advantages of Hydra-Cell pump on this application	Hydra-Cell was chosen for this application for the following reason: - Vastly increased performance & up-time over the radial piston pumps they replaced. - Ability to handle this particle laden liquid with ease.
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www.hydra-cell.co.uk

Wanner Engineering -
World Headquarters & Manufacturing
Minneapolis USA
t: (612) 332-5681
e: sales@wannereng.com

Wanner International
Hampshire UK
t: +44 (0) 1252 816847
e: sales@wannerint.com

Wanner Pumps
Shanghai CHINA
t: +86-21-6876 3700
e: sales@wannerpumps.com

Wanner Pumps
Kowloon HONG KONG
t: +852 3428 6534
e: sales@wannerpumps.com