

Application story



Fast Loop Diesel Sampling Systems

Location	India	Hydra-Cell model	D10EKCGHFEHB
Type of application	Fast Loop Diesel Sampling Systems	Flow rate	15 - 20 L/min (3.9 - 5.5 US gal/min)
Liquid	Euro III & Euro IV Blended Diesel	Pressure	10 Bar (145 psi)
Application details	Hydra-Cell® in Fast Loop Diesel Sampling Chemtrols were called to overhaul a fast loop diesel sampling system they had fitted for Essar Oil some 5 years earlier but was now not achieving the required pressure. They discovered the two Viking gear pumps were worn beyond economic repair, particulates in the liquid having virtually destroyed most of the parts like coupling, drive shaft, mechanical seal, bearings and idler gear. Having had good experience with Hydra-Cell pumps in the past, Chemtrols chose to replace the gear pumps with Hydra-Cell D10s because of their proven ability to handle solid particles while generating the required pressure and a virtually pulse-less flow. Essar Oil, the end user is so impressed with the Hydra-Cell's performance that they are placing an order for a further four Hydra-Cell pumps. (It was interesting to note that the Viking proposed charges for testing and certification were more than the cost of replacing the pump).		
Advantages of Hydra-Cell pump on this application	Hydra-Cell was chosen for this application for the following reasons: - Ability to handle this particle laden liquid, with ease. - Extreme reliability, in harsh environments.		

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