

Application story



Hydrocarbon NGL Transfer

Location	Hungary	Hydra-Cell model	D35XKSJNNECB
Type of application	Hydrocarbon NGL Transfer	Flow rate	5 - 6 m ³ /hr (22-26 gpm)
Liquid	Carbon Hydrogen Concentrate	Pressure	40 bar (580 psi)
Application details	Faced with recurring pump problems (usually seal wear and cavitation) on a continuous transfer line, a major oil and gas company in Hungary has replaced previously-used multi-stage centrifugal pumps with a Hydra-Cell G35. The pumped medium is a carbon hydrogen concentrate with sand content (up to 1% by volume). It is also non-lubricating. Though retaining one of the old pumps as standby, the customer expects to benefit in various ways from installing the Hydra-Cell pump. It is designed to handle abrasive solids and non-lubricating, corrosive liquids. It can run dry without damage. Spare parts are relatively inexpensive and readily available – as compared with those for the centrifugal pump, which are on long delivery. Pumping efficiency of the Hydra-Cell unit is 90% plus – very much higher than that of a multi-stage centrifugal pump, enabling it to use an 11kW motor and save energy costs. Pump flow is easily and accurately controlled via a frequency inverter to vary pump speed.		
Advantages of Hydra-Cell pump on this application	Absence of mechanical seals. Low energy costs. Beneficial price. Tolerates abrasives, corrosives and non-lubricating liquids. Simple, accurate control of speed and output. Flow not affected by pressure.		

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