



WANNER
Hydra-Cell[®]
 Seal-less Pump Technology

Case Study

Tankwash pumps prove their long-term reliability at Atchison Topeka

In 1997 UK food transport and storage firm Atchison Topeka opened an advanced cleaning facility dedicated to the efficient cleaning of road tankers carrying food product.

Strategically located near the centre of the UK's main motorway networks, the cleaning station was a success virtually from the outset; its efficiency only hampered in the first months by reliability problems with seal-reliant piston-type pumps.

That issue was resolved when those pumps were replaced by Hydra-Cell pumps, which do not use dynamic seals at all and are consequently free of risk from seal wear. Fifteen years later Atchison Topeka was able to confirm that the Hydra-Cell pumps were still in service and running well.

No chemicals are used for cleaning inside tanks and pipework. A Hydra-Cell G35 pump delivers clean water to the tankwash units at up to 80°C and 70 bar pressure. At these elevated levels, having no dynamic seals is a distinct advantage. Water is a poor seal lubricant, made more abrasive and corrosive by heat and pressure. (At 90°C it is more than 60 times more corrosive than at 20°C.)

The central feature of the tanker cleaning system is programmed internal washing of road tankers at high pressure. Internal tank cleaning is performed by three motor-driven rotary washers. Permanently installed on a gantry, for each wash they are lowered through the tanker ports by electric hoist.



Pump code: G25XKCTHFECA



Pump code: G35XKCTHFECA

Customer – Atchison Topeka

Atchison Topeka is one of the numerous Hydra-Cell customers who have appreciated the practical benefits of our seal-less pump technology and subsequently shared their experience with us.



Hydra-Cell G35 Installation



Lowering automatic wash unit into tanker

The company's reputation for high cleaning standards has helped it to expand in new directions. Today AT is a fully qualified 3PL (third party logistics company) with expanded resources and its own quality team. Still exclusively concerned with food vessels, which now include drums and IBCs, the station's high cleaning standards are recognised across the industry.

Cleaning systems for drums, IBC cleaning and exterior washing of vehicles, are fed by a Hydra-Cell G25 pump, capable of delivering 75 l/min at 70 bar pressure.

In 2012, Atchison Topeka was acquired by Bibby Line Group and is directly controlled by Bibby Distribution.

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