

Application story



Boiler Feed Water for Kenyan Power Station

Location	Kenya	Hydra-Cell model	G25XKCTHFEHB
Type of application	Boiler Feed for Kenyan Power Station	Flow rate	75 l/min (20 gpm)
Liquid	Water	Pressure	69 Bar (1000 psi)
Application details	The Kipevu II Power Plant entered commercial service on 3 September 2001, less than 13 months after first breaking ground. It increased the thermal generation capacity in Kenya by almost 25%, and during six weeks of exhaustive testing over 77.5 GWh were exported to industrial, commercial, and residential consumers. Initially supplied by Wärtsilä Finland Oy, and operated by Wärtsila Eastern Africa Ltd, the 74 MW Kipevu II diesel power plant in Mombasa has been in commercial service since early 2001. Seven Wärtsilä 18W38 medium speed diesel engines / generating sets form the heart of the plant, and dedicated auxiliary systems including an Aalborg boiler, equipped with the Hydra-Cell G25 feed pump. The boiler is for use in a "Black Start" situation; the procedure to recover from a total or partial shutdown of the transmission system. After 15-years of continuous service, the local power station engineers were very surprised when the Hydra-Cell G25 began to suffer from a diminished flow rate. Consultation between engineers on site and Wanner International staff soon resulted in the pump being operational again, hopefully for another 15-years.		
Advantages of Hydra-Cell pump on this application	Hydra-Cell's ability to: - Offer a small, compact solution for this skid-mounted installation. - Known reliability.		

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