SEWER CLEANER UNIT WITH VP1 PUMP

Bucher Municipal Denmark Enhances Bucher FlexLine C140 Unit with Parker's VP1 Hydraulic Variable Pump

BUCHER municipal

Bucher Municipal Denmark, a producer of sewage cleaners, was committed to enhancing the performance and efficiency of their Bucher FlexLine C140 Unit. As urban demands for effective sewage management grew, the company recognized the need for improved maneuverability and hydraulic power to support the truck's complex systems. The challenge was to be able to use the engine PTO for usage of hydraulic power for the sewage cleaner and steering of the third axle, to allow the truck to navigate tight urban environments while maintaining optimal performance.

CHALLENGE

The challenge was to improve the performance of sewage cleaners by using the engine PTO for the hydraulic power of the cleaner and the third axle, to achieve optimal maneuverability in tight urban environments.

SOLUTION

A key component of this solution was the VP1 with tandem function.
This arrangement was specially developed to provide hydraulic power via a tandem pump for steering the third axle of the Bucher FlexLine C140 Unit.

RESULT

The integration of the VP1 Hydraulic Pump and the second pump in tandem resulted in remarkable improvements in the Bucher FlexLine C140 Units performance. Customers reported enhanced efficiency in sewage management tasks, with the truck's ability to handle complex urban environments being a standout feature.

VP1 Hydraulic Variable Pump with a tandem feature

To tackle these challenges, Bucher Municipal Denmark integrated the VP1 Hydraulic Variable Pump with a tandem feature into the Bucher FlexLine C140 Unit. This state-of-the-art variable pump is designed for open circuits in mobile hydraulics, providing the necessary hydraulic power to support the truck's operations effectively.

TANDEM FEATURE

A key component of this solution was the VP1 with tandem feature. This arrangement was specifically designed to provide hydraulic power via a tandem mounted pump for steering the third axle of the Bucher FlexLine C140 Unit. The tandem setup not only optimized space but also ensured that the truck could maneuver easily in tight urban environments, enhancing operational efficiency.

The installation process of the VP1 Hydraulic Pump was straightforward, allowing Bucher Municipal Denmark's engineering team to integrate it into the Bucher FlexLine C140 Unit with minimal disruption. The design of the VP1 facilitated a quick setup, enabling the team to focus on performance testing and fine-tuning the hydraulic system.

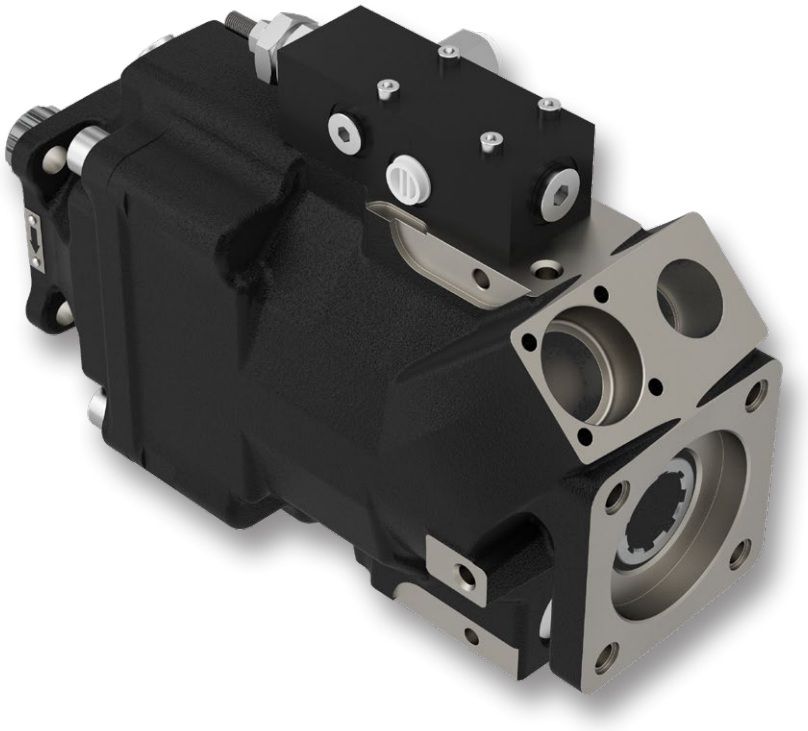
Enhanced efficiency

The integration of the VP1 Hydraulic Pump and the second pump in tandem resulted in remarkable improvements in the Bucher FlexLine C140 Units performance. Customers reported enhanced efficiency in sewage management tasks, with the truck's ability to handle complex urban environments being a standout feature.

Bucher Municipal Denmark's successful implementation of the VP1 Hydraulic Variable Pump in the Bucher FlexLine C140 Unit demonstrates the power of innovative hydraulic technology in enhancing vehicle performance. By selecting a solution that offered both hydraulic efficiency and improved maneuverability.

ENHANCED EFFICIENCY

Bucher Municipal is very satisfied with the teamwork together with Parker Hannifin that resulted in an efficient solution for their Bucher FlexLine C140 Unit.



VP1 Hydraulic Pump with through drive shaft for integration of a second pump

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"When we need help with Hydraulic solutions, we contact Parker Hannifin."

Arvid Wattez, Mechanical Engineering Specialist, Bucher Municipal

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