VHP® SERIES FIVE PROVIDES CONTINUOUS POWER WHILE ENABLING FUTURE EMISSIONS COMPLIANCE

Global Energy Company
British Columbia, Canada

Background

In anticipation of upcoming governmental regulations, a forward-looking global energy company operating in Fort St. John wanted to lower its emissions, mainly its methane intensity. It turned to INNIO Group for its low-emission Waukesha products, which they had purchased for decades to meet both its gas compression and power generation needs.

Solution: The low-emission VHP Series Five

In 2022, the Canadian company purchased two VHP Series Five engines from INNIO Group's Waukesha product line to provide continuous on-site power at its gas compression facility. Delivering lower emissions than any other engine in their category, the VHP Series Five family of engines combines the most advanced technology available with the history and experience of the VHP platform. The two engines were commissioned at the natural gas site in 2023.

Results

Having worked with INNIO Group's Waukesha products for decades, the Canadian company recognizes that parts, training, and service interval commonality exists across the VHP product series, and that factory-direct technical support is readily available. Its maintenance team is impressed with the reliability of the engines, resulting in minimal downtime, and the team's familiarity with the units simplifies maintenance and operations. In addition, the engine's load capabilities help ensure efficient operation.

A POWERFUL FUTURE

Customer advantages of VHP® Series Five

Lower emissions, including methane intensity, with delivery of 85% lower CH4 and VOC emissions and 10% lower CO2e than any other engine in its category

Fuel flexibility to operate on nearly any fuel, from field gas and propane to commercial-quality natural gas without pre-treatment

High performance, even in extreme heat with 120°F (49°C) ambient capability before derate

Readily available factory-direct technical support and parts commonality across the VHP product series

Key Technical Data

Number and type of units	2 x Waukesha VHP L7044GSI S5 engines
Power output	2,834 kWb
Commissioning	2023
Fuel source	Pipeline gas

Fort St. John, British Columbia, Canada

Waukesha – an INNIO® brand - INNIO's Waukesha engines are at the forefront of the energy transition, providing reliable and compliant energy solutions for distributed gas compression and power generation applications. The brand's rich and lean-burn engines, ranging from 335 hp to 5,000 hp, set an industry standard for low emissions, high reliability, and fuel flexibility.

Waukesha products are continuously upgraded to help operators stay emission-compliant without sacrificing operational excellence. These upgrades include new and remanufactured engines and parts, as well as conversion and modification kits, all of which are backed by OEM warranty and more than 115 years of engine expertise. Additionally, our Waukesha digital solutions include SkidIQ, a collaborative solution with Detechtion Technologies for gas compression applications and INNIO's myPlant platform for power generation applications. Both solutions provide customers with enhanced monitoring and optimization capabilities, resulting in improved performance and reduced downtime.

We connect locally with our customers to enable a rapid response to their service needs, providing enhanced support through our broad network of distributors and solution providers with parts, services, and digital offerings.

Waukesha engines are engineered in Waukesha, Wisconsin, U.S., and manufactured in Welland, Ontario, Canada. To learn more about the company's products and services, please visit INNIO's website at **www.waukeshaengine.com** or follow Waukesha engines on **LinkedIn**.

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