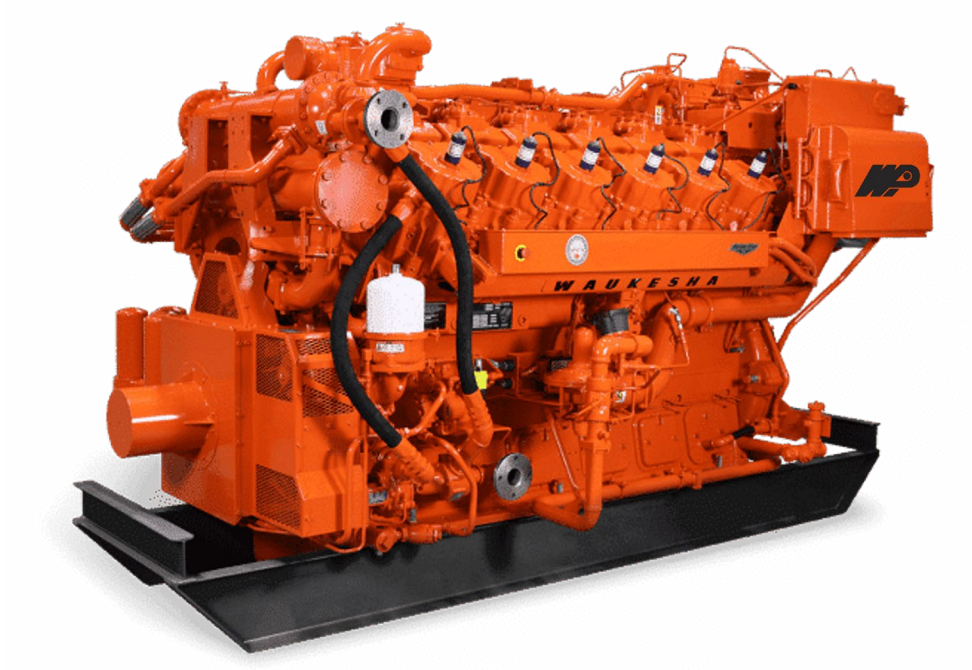
VHP Series Five L7044GSI S5

ESM2 and emPact Emission Control System

1,900 BHP (1,416 kWb) @ 1,200 RPM



Engine Features

For almost 100 years, WPI has provided clients with products and services that **Deliver More Uptime™.**

The Waukesha* VHP* Series Five rich-burn engines combine the most advanced technology available with the history and experience of the VHP platform, resulting in an engine with 13% more power, better fuel flexibility, 10% lower fuel consumption, up to 20% lower lifecycle costs, and over 30% longer service intervals.

Although Series Five engines can have higher power levels than previous versions, the stresses on the components have not increased. This is made possible by enhanced rich-burn combustion through the Miller Cycle, an improved cylinder head design that reduces temperatures in key regions, and an optimized piston design.

The L7044GSI S5 is the most fuel-efficient VHP engine ever. The improved cylinder head design reduces key internal temperatures by up to 40%, increasing reliability and extending the life of the head.

The VHP Series Five engine builds on the existing VHP platform to make it the most powerful, fuel-efficient engine for gas compression applications while leveraging upgraded ESM2 controls and a reliable platform. This upgraded engine works tougher, longer, and smarter to provide the following:

Intelligent Controls

The ESM2 engine controller provides step-by-step troubleshooting and Asset Performance Management (APM).

Up to 22% Lower Operating Costs

With 30% longer service intervals and reduced lifecycle costs.

High Reliability with Long Maintenance Intervals

With 30% longer service intervals and reduced lifecycle costs.

Technical Data

L7044GSI S5

Cylinders	V12
Piston displacement	7,040 cu. in. (115 L)
Compression ratio	9.7:1
Bore & stroke	9.375” x 8.5” (238 x 216mm)
Jacket water system capacity	100 gal. (379 L)
Lube oil capacity	190 gal. (719 L)
Starting system	125 - 150 psi air/gas 24V electric

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