



Upgrade your Waukesha VHP engine with the xCooled Cylinder Head

Upgrade Offering

Product description

The xCooled cylinder head offers an enhanced cylinder head design with proven results in field-tested conditions operating on high LHV fuels. By improving the flow of coolant to critical cylinder head components, operators can expect to see increased uptime, reliability, and performance of Waukesha* VHP* rich-burn engines. The xCooled cylinder head is offered as a direct replacement for existing Series Four* GSI cylinder heads, and as a simple conversion kit for Series 2 GSI cylinder heads. All xCooled product offerings are also available through the Waukesha reUp remanufactured parts program.

Product details

The xCooled cylinder head's robust design is intended for harsh oilfield conditions and low WKI fuels with the following technical features:

- Enhanced cylinder head cooling reduces temperatures seen by critical exhaust valve components.
- Optimized exhaust flow path reduces thermodynamic stresses throughout the cylinder head.
- SPARC spark plug sleeve design prevents coolant leaks.
- Application of advanced manufacturing processes improves component tolerance, reducing assembly variations.

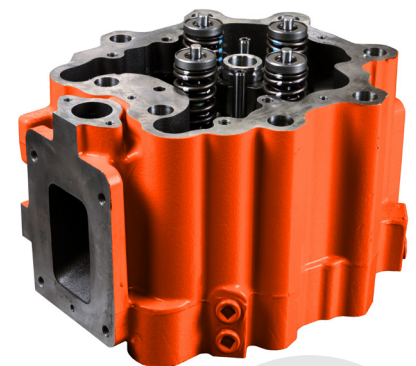
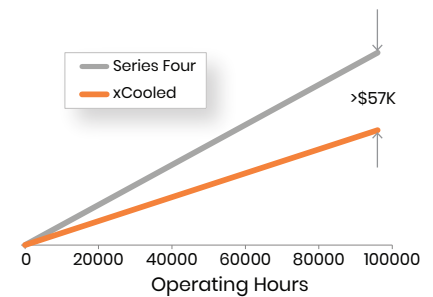
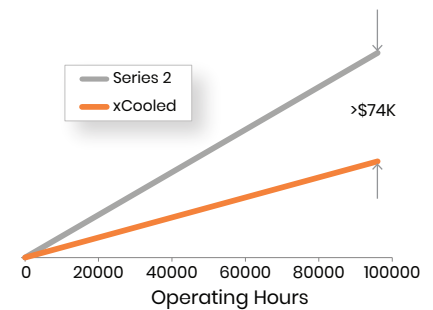
Customer benefits

- Improved reliability. Up to 40% cooler valve and guide temperatures reduces stress caused by high combustion temperatures while operating in rich-burn conditions and high BTU fuels.
- Extended intervals between overhauls means more up time and lower operating cost. Up to 33% longer intervals between top end overhauls; up to 32,000¹ hours when operating an L7044GSI engine up to 1680 BHP @ 1200 RPM continuously.
- Genuine parts you can depend on. All xCooled cylinder heads are manufactured and assembled by INNIO to ensure the highest quality standards are met.

¹ Intervals may vary depending on factors such as fuel quality, maintenance practices, and operating conditions. Engine configuration must be verified for upgrade opportunity.

Applicable units

VHP	F2895GSI F3521GSI F3514GSI/F3524GSI L5790GSI L5794GSI L7042GSI L7042GSI S4 L7044GSI P9390GSI P9394GSI
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