BEST IN RELIABILITY | **BEST** IN VALUE | **BEST** IN SERVICE

Mesa Solutions produces EPA-certified, industrial engines that are engineered to operate on natural gas or propane and can be used in stationary and mobile power generation applications.

Built on an industrial platform with a history of durability, the GX22 integrates modern advancements for next-generation performance.

Engineered for durability, built for the future. Leveraging advanced design and engineering, the GX22 is purpose-built to meet the demands of modern power generation.

Meets high Mesa standards (or "the Mesa Standard"), as each engine undergoes dyno testing at our 90,000 square-foot engine facility.

Engine Updates

+20% Power

Significant increase in power output compared to existing engines in the same class despite a nearly identical footprint

New high-strength design for critical engine components, such as cylinder heads, cylinder blocks, pistons, and connection rods, for increased power density

Continued focus on easy maintenance and low total cost of ownership

PG+ Engine Control System based on decades of development for both small and large engines

Best-in-class for durability, reliability, and performance
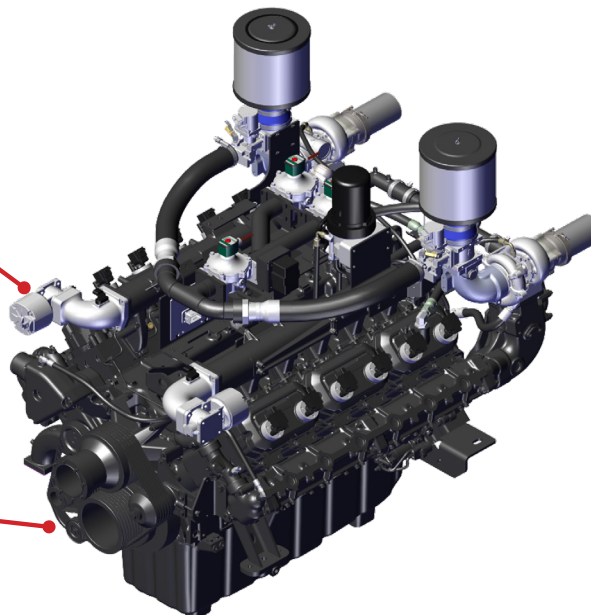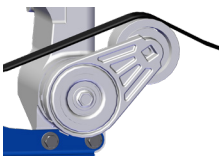
GX22 Quality Improvements

Cylinder Head
High-strength, four-valve design with improved cooling

Intake Throttle
Heavy-duty industrial throttle

Auto Tensioner
Low-maintenance belt on water pump
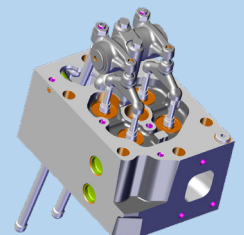
Exhaust Valve
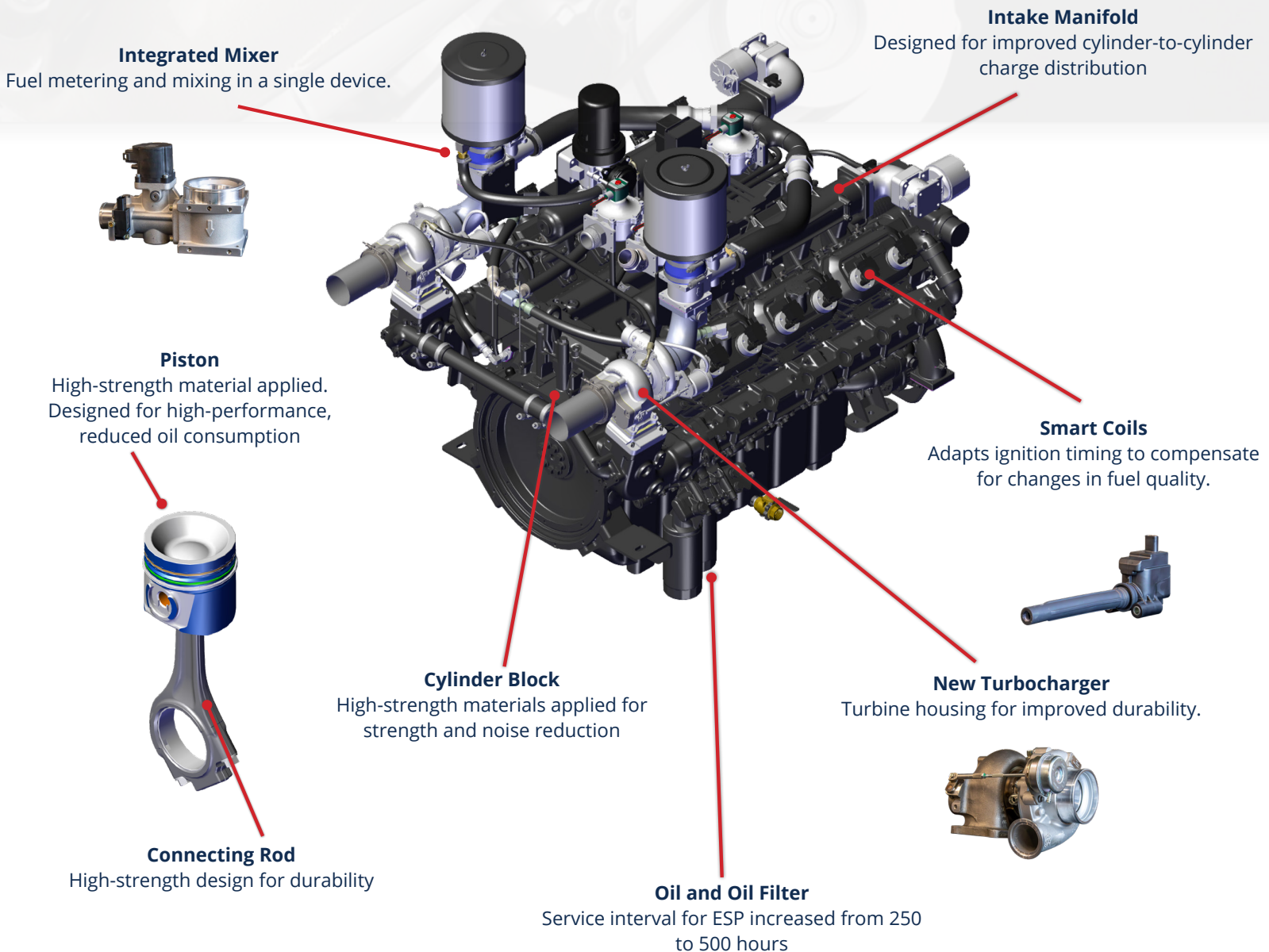Inconel valves for improved thermal durability
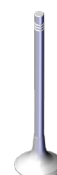
Advantages of the GX22

Certified to EPA Emmissions Standards.
Option for low emmissions variant (pipeline natural gas only)

Integrated Mixer
Fuel metering and mixing in a single device.

Intake Manifold
Designed for improved cylinder-to-cylinder charge distribution

Piston
High-strength material applied.
Designed for high-performance, reduced oil consumption

Smart Coils
Adapts ignition timing to compensate for changes in fuel quality.

Cylinder Block
High-strength materials applied for strength and noise reduction

New Turbocharger
Turbine housing for improved durability.

Connecting Rod
High-strength design for durability

Oil and Oil Filter
Service interval for ESP increased from 250 to 500 hours

Model	No. of Cyl	Disp (L)	GX22					
			60 Hz			**50 Hz**		
GX22	V12	21.9	COP Power	PRP Power	ESP Power	COP Power	PRP Power	ESP Power
NG Power Target (kWe*)			408	494	550	333	404	450
LP Power Target (kWe*)			295	359	401	241	295	330
NG Power Target (kWm)			478	570	630	396	473	523
LP Power Target (kWm)			356	425	470	298	355	393

*Assumes 38kW fan loss and 93% alternator efficiency