VANGUARD®



WHY THE BRANDS YOU TRUST TRUST VANGUARD®

Vanguard commercial power is the industry standard for top chore OEMs.

Performing tough jobs that range from digging and cutting to blowing and shredding, the equipment used in the demanding outdoor chore market is diverse. Yet the power source for the industry's most trusted names remains constant: Vanguard® commercial engines.

Leading chore equipment OEMs — including Barreto, Billy Goat®, Ditch Witch® and Turfco® — entrust their power needs and their reputations to Vanguard engines. Equipment manufacturers choose Vanguard because the engines are easy to integrate, and they improve machine life and operator comfort through reduced heat, vibration and noise. Whether the task requires heavy-duty torque for trenching, smooth operation for precise turf application, or superior debris management for leaf cleanup, Vanguard engines are ready to work.

When a fleet standardizes its equipment with Vanguard power, it also gains significant operational efficiencies that go beyond performance and durability. A Vanguard-powered fleet benefits from unified maintenance protocols, consistent and reliable starting performance across all applications, and shared common parts, such as filters and oil. This drastically simplifies parts inventory, reduces overhead and streamlines service processes for rental yard owners, fleet managers, landscape contractors and dealers alike.

Let's explore why Vanguard engines have become an industry standard.

BARRETO MANUFACTURING DELIVERS DURABILITY



Vanguard helps power Barreto's heavy-duty performance.

Built for demanding commercial applications, Barreto Manufacturing's equipment relies on an all-hydraulic, heavy-duty design to get the toughest jobs done. This requires a durable engine that can deliver consistent power and performance under heavy loads. Vanguard® engines effectively manage heat and maintain peak performance: critical benefits when operating tools like trenchers, stump grinders, tillers, concrete dumpers, sod cutters and chippers. Advanced technologies like Vanguard EFI (Electronic Fuel Injection) and ETC (Electronic Throttle Control) are crucial to performance. They ensure that the engine maintains precise RPMs to power hydraulic pumps consistently without bogging down, even under heavy loads. This reliable power delivery prevents downtime and maximizes productivity across Barreto's lineup.

Durability and maintenance are also essential, especially since much of Barreto's equipment serves as rental units that see frequent use and transport. To combat a common issue in rental fleets, Vanguard exclusively engineered TransportGuard®, a unique 3-in-1 control that simplifies the start/stop functionality to prevent oil and fuel dilution during transport, meaning fewer unscheduled oil changes and minimized downtime.





BILLY GOAT® MACHINES TACKLE HARSH ENVIRONMENTS



Vanguard delivers reliability on the toughest jobsites.

Billy Goat machines operate in dusty, high-debris environments. In these applications, Vanguard's Cyclonic Air Filtration system is a crucial feature that helps extend engine life and maximize uptime by restricting debris intake. This innovative technology spins debris out of the air before it reaches the filter, allowing the machine to run longer in dusty conditions without service interruptions and extending air filter replacement intervals to an impressive 600 hours. Cyclonic Air Filtration also features Vanguard's Advanced Nano Filter Media with AutoShed technology, which provides up to 120% more dust-holding capacity compared to competitive filters. As a result, Billy Goat aerators, blowers, brush cutters, debris loaders, power rakes and vacuums can run longer even in highly dusty conditions, resulting in lower maintenance costs and greater efficiency.

Billy Goat machines often operate in colder conditions for leaf cleanup. Vanguard's EFI technology ensures instant, reliable starting — even in cold weather — and it eliminates the need for a choke by precisely metering the fuel-air mixture. This not only addresses the common frustration of cold-starting but also optimizes fuel consumption and provides consistent performance under varying loads. All of this allows operators to start their work quickly, regardless of the temperature.

DITCH WITCH® DELIVERS IN THE TOUGHEST GROUND CONDITIONS

Vanguard provides rugged torque and power.

Ditch Witch equipment must perform reliably in highly demanding underground construction and utility work — requiring a workhorse of an engine. Ditch Witch chooses Vanguard® engines for trenching and vibratory plowing equipment because these engines provide rugged durability and consistently high torque. Vanguard's advanced technologies also allow the equipment to maintain momentum and production even when encountering sudden, heavy resistance.

For example, Vanguard's ETC technology is designed to react instantly to sudden load changes, which can occur frequently when a trencher blade or vibratory plow hits an obstacle like a large root or rock. When the machine hits resistance, the system detects the drop in RPMs and adjusts the throttle to inject more power almost instantaneously. This is crucial for maintaining the necessary torque to continue digging or plowing without stalling the engine — helping maximize the operational uptime and productivity of Ditch Witch equipment.







TURFCO® PROVIDES PRECISION AND HIGH-QUALITY RESULTS

Vanguard® engines enhance operator comfort.

Turfco equipment delivers accuracy and superior performance to landscape and turf management professionals. For these specialized, manicured turf applications, Vanguard engines are engineered to minimize vibration and noise. This focus on smooth operation is critical in several ways: It significantly improves operator comfort during long working hours, and it makes the equipment suitable for use in noise-sensitive environments like golf courses and public parks. By dampening engine noise and vibration, Vanguard helps Turfco equipment like aerators, overseeders, spinner top dressers and sprayers maintain a low-impact presence on the jobsite.



POWERING EFFICIENCY

Outdoor chore OEMs rely on Vanguard power.

No matter the application, Vanguard® engines are the ideal solution for the rigorous demands of the chore market. Offering top-of-class durability, ease of use, reliability and performance, Vanguard engines are the power source trusted by the industry's leading OEM brands.

Here are some of the benefits operators can realize when they choose equipment powered by Vanguard engines:

Innovation-Driven Uptime: Vanguard engines feature innovative technologies that keep machines running so operations can optimize efficiency. With features like Cyclonic Air Filtration extending service intervals to 600 hours, equipment spends more time working and less time in the shop.

Hassle-Free Transport: Vanguard's TransportGuard® technology delivers value for the entire fleet. By shutting off fuel and ignition simultaneously, this technology prevents oil dilution when equipment is moved to different jobsites — a solution to a common, real-world problem for rental and landscape fleets.

Simplified Parts and Service: A fleet standardized with one engine brand means streamlined inventory, reduced costs and simplified service. Using common parts across the engine lineup reduces overhead and complexity in the shop.

Turnkey Reliability: Vanguard's EFI and ETC technologies deliver benefits across the fleet to help operations save time and money. EFI technology improves starting reliability and handles altitude changes automatically. ETC technology, which is often paired with EFI, uses a sensor to detect load changes and instantly adjusts the throttle to maintain consistent engine speed — preventing the engine from failing under heavy use.

Unmatched Global Support: Vanguard stands behind the exceptional durability of its engines with a 3-year commercial limited warranty. This is reinforced by the global Briggs & Stratton® service network and a reliable parts distribution system that ensures rapid availability — keeping your equipment running and your customers satisfied, no matter where the job takes them.



TRUST VANGUARD POWER

Invest in the power that drives the industry's best. Choose Vanguard-powered equipment for a fleet that is as efficient as it is powerful. Contact Vanguard to learn more.

VANGUARD®

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