

THE NEW INDUSTRIAL POWER

CROWN AND JOHN DEERE CREATE A REVOLUTIONARY IC ENGINE: MORE POWER, GREATER FORCE, LONGER LIFE

A powerful reaction can occur when combining two strong forces. For Crown and John Deere, the process of developing a **TRUE INDUSTRIAL ENGINE** produced revolutionary results.



BEST-IN-CLASS COLLABORATION

TRUE INDUSTRIAL ENGINE: Let's face it. The name of the game in material handling is productivity. So it goes without saying that engine power and uptime are critical. The C-5 "new industrial power" leverages Crown's 50 years of leadership in material handling along with the industrial expertise of John Deere.

THE RESULT: An engine with fewer service intervals and an unmatched 36-month/6,000-hour warranty.

No more automotive leftovers. Now, you have one tough engine that offers twice the life of competitor trucks.

DIESEL HERITAGE AND RUGGED, HIGH-PERFORMANCE COMPONENTS: Open the hood, and you'll quickly see what gives this engine the right to be branded the new industrial power:

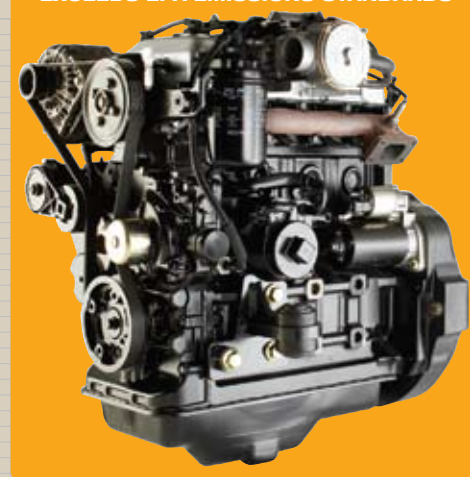
- The in-line 4-cylinder 2.4L LPG engine has been designed and tested for a 20,000-hour life.
- The larger, cast-iron engine head and block are designed for high compression and reduce problems such as head warpage.
- Oil capacity of 8 quarts and internal oil cooler result in superior heat dissipation for extended oil and component life.
- A gear-driven camshaft and valve train mean less service and more uptime.
- Internal balancing produces smoother performance and less vibration for better operator comfort.

SIZE REALLY MATTERS

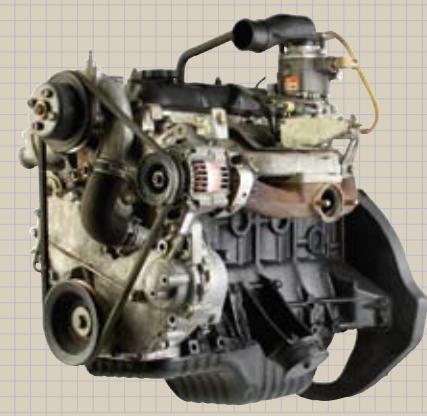


▲ **CROWN PISTON:** (shown left) is considerably larger than competition

EXCEEDS EPA EMISSIONS STANDARDS



▲ **CROWN:** 2.4L industrial engine



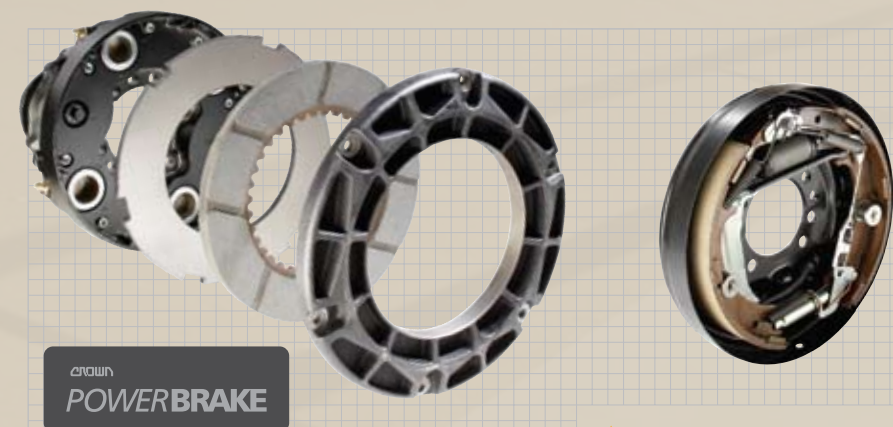
▲ **LEADING COMPETITOR:** 2.2L automotive derivative engine

Note: Pistons and engines shown in relative proportion

CROWN POWER BRAKE

SAY GOODBYE TO COSTLY REPAIRS: Crown's exclusive Power Brake System delivers durability and performance advantages that virtually eliminate maintenance. It also minimizes the pedal force required by operators.

- Responsive power brakes reduce operator pedal effort by 53%.
- Fewer parts and "no-adjustment" design equate to one-tenth the maintenance over other brakes.
- The 90% more friction area contributes to longer brake pad life.
- One-touch park brake makes actuation easier and eliminates a cumbersome lever.
- The Crown Power Brake includes an industry-leading 36-month/6,000-hour warranty.



▲ **CROWN POWER BRAKE:** Crown's unique full-circle power brake features fewer parts and larger friction areas for improved responsiveness and brake life.

▲ **A TYPICAL DRUM BRAKE** may be adequate in some applications. However, maintenance of its many moving parts and reduced friction area is likely to become costly for heavy-duty work.



POWER TRANSFER

WHEN PUSH COMES TO SHOVE: PRODUCTIVITY REQUIRES BOTH TORQUE & HORSEPOWER

Power's one thing. Force is another. With Crown's C-5 Series trucks, you get the bold combination of torque and horsepower: force to handle tough loads and power to move fast.

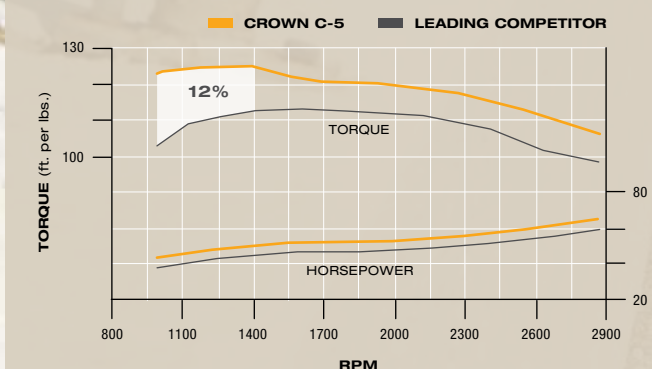
DELIVERING POWER TO GET MORE DONE

With the C-5's power shift single-speed transmission, users get more mass, more steel and more performance through:

- Robust components such as an industrial-strength cast-iron housing, larger axle mount and greater bearing diameters.
- High-temperature seals and O-rings virtually eliminate leaks in heavy-duty applications.
- Optimized gear construction for less noise and vibration.
- Cooling systems that extend transmission life.



LOW-END TORQUE: POWER WHEN YOU NEED IT



The breakthrough power system on the C-5 delivers unprecedented low-end torque. It provides the ability to drive up ramps fully loaded, pull out of potholes with greater ease, accelerate with heavy loads, push pallets with necessary force and keep the engine from stalling while using hydraulic functions.

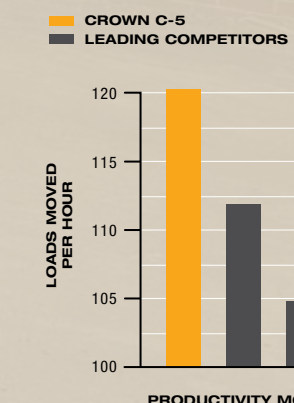
▲ **POWER POINT:** The C-5 delivers 12% more low-end torque than the closest competitor.

PRODUCTIVITY & ECONOMY

BALANCING PERFORMANCE WITH CONSUMPTION: Everyone knows it takes power to get more done. The Crown C-5 Series clearly delivers on power, but not at the expense of efficiency.

To help users balance their needs, the C-5 offers a range of **PRODUCTIVITY** and **ECONOMY** modes. The **PRODUCTIVITY** mode boasts industry-leading throughput while the **ECONOMY** mode provides fuel efficiencies and productivity levels that meet or exceed those of leading competitors.

YOU CHOOSE: Industry-leading productivity or fuel economy.



▲ **PRODUCTIVITY MODE:** For high-throughput applications, the C-5 Series can be tuned to deliver industry-leading results.