C-5 SERIES
Superior Design. Breakthrough Performance.

Crown spent thousands of hours understanding customer needs, testing trucks in demanding indoor and outdoor applications and overcoming the most persistent problems that plague typical gas trucks. The result is a completely reinvented experience: The Crown C-5 Series.

Pushing Limits. Inside and Out.

The Crown C-5 Series redefines LPG, with breakthrough innovation in every detail. From its high-performance powertrain to precise cooling, ergonomic design and intrinsic stability, the C-5 sets new standards across the board.

Customers demanded a better IC truck – with the power, control and reliability to perform in the most demanding applications, year after year – and the Crown C-5 Series delivers. We’re pushing limits, so you can too.

Drive Revolutionary Results With Crown

Power.
A revolutionary engine, rugged transmission and brakes and dual radiator cooling system keep the C-5 Series performing at peak, even when the heat is on and the hours are long.

Control.
The C-5 Series is designed inside and out for optimal comfort, confidence, stability and safety, so operator productivity can keep pace with truck performance.

Reliability.
Less maintenance, a longer lifespan and dependable uptime add up to a lower cost of ownership and better lifetime value with the proven C-5 Series.

Visit crown.com
See the C-5 Series
Engineered to Deliver Pure Power.

To create a game-changing gas engine for the C-5, Crown combined 50 years of leadership in material handling with the engine expertise of John Deere. The result: a revolutionary engine with an unprecedented lifespan and fewer service intervals.

Rugged Performance Features

70 Amp Alternator
A high-power 70 amp alternator provides ample energy to keep the battery charged and all accessories running.

Heavy-Duty, Serpentine-Style Belt with Auto Tensioner
A wide, durable, multi-ribbed belt with auto tensioner eliminates the need to manually adjust engine components to maintain tension, which prolongs belt and component life.

Gear-Driven Valve Train
A robust, gear-driven valve train eliminates the stretching and maintenance that can occur with the chains and belts in typical gas engines.

Engine Balancing
Internal balancing shafts and rubber engine mounts virtually eliminate engine vibration, enabling smoother performance and greater operator comfort.

Unmatched Cooling Features

Cast Iron Cylinder Head
The C-5’s rugged, cast iron cylinder head provides up to 60 percent better heat resilience than typical aluminium heads, reducing warpage and increasing lifespan.

Oil Cooler and 7.6 Litre Oil Capacity
A 7.6 litre oil pan and external oil cooler help reduce oil temperatures. These standard features help maintain oil viscosity, extending engine life and allowing 1,000 hour oil change intervals.

Rugged, High-Performance Components

High-Temperature Seals Throughout
The C-5 transaxle uses high temperature Viton seals and O-rings which prolong life, avoiding leaks for optimal component protection.

Robust Cast Iron Housings
Rugged cast iron transmission and axle housings provide thermal and impact protection.

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Crown Power Brake
Crown’s exclusive Power Brake System, standard on C-5 super-elastic tyre models, delivers durability and performance advantages that virtually eliminate brake maintenance.

93% Less Maintenance
The Crown Power Brake is almost fully enclosed, keeping dirt and debris out and practically eliminating the need for maintenance.

90% Larger Brake Pad
Crown’s full-circle friction disk is up to 90 percent larger than conventional drum brakes, resulting in one of the toughest, longest-lasting brakes on the market.

3X Longer Lifespan
C-5 brakes adjust themselves and last three times longer than typical brakes – up to 10,000 hours for many customers.
Hot Problems.
Cool Solutions.

Overheating is one of the biggest threats to an internal combustion engine. Inefficient cooling can cause reduced performance, component damage or even total engine failure. That’s why Crown developed a standard cooling system that cools the engine more efficiently, increasing truck performance and extending engine life.

With separate cooling for the engine and transmission and reduced potential for debris build-up, the C-5 provides better heat management to keep your trucks moving when the heat is on.

Dependable Cooling on Demand.

Pushing lift trucks to their limit is a fact of life for modern operations, but doing so risks lost productivity or costly truck damage. To solve this universal problem, Crown engineered the optional On-Demand Cooling (ODC) System. It delivers the powerful combination of precise cooling and radiator clearing for better efficiency, increased uptime and cost savings.

Radiator Clearing and Precise Cooling

Manage Temperature, Debris and Costs:
LPG trucks literally vacuum debris from the warehouse floor, depositing it in the radiator to accumulate day after day. Cleaning means downtime, but failing to do so risks diminished performance and truck failure.

Crown’s On-Demand Cooling option controls the fan independent of the engine, automatically reversing to clear debris from the radiator with each engine start.

The C-5’s fan also changes speed automatically to manage engine and transmission temperatures. In addition, the fan operates 30 percent faster at idle to keep the powertrain cool.

The Bottom Line: Cost savings, improved efficiency and increased uptime.

Better Heat Management
A counterweight wedge and louvers deflect heat and exhaust downward and away during reverse travel, enhancing operator comfort and heat management.
Comfort, Confidence and Control.
The C-5’s outstanding power is matched only by its superior driveability. Operators can count on smooth handling and ease in every action, whether travelling, turning, lifting or loading and unloading. Smart use of steel, operator-forward design, intrinsic stability and easy-access controls add up to help operators get more done.

Access 1 2 3® Comprehensive System Control
- Adjustable speed limits on every C-5
- PIN codes enable operator-specific performance
- Onboard diagnostic, no handset required
eSmart™ Accurate Fuel Tracking
- Patent-pending technology that monitors fuel pressure and temperature
- Industry-leading productivity for fuel economy
- Displays real-time, average and total fuel usage

Access and Visibility
Optimal operator positioning and design for unobstructed, all-around views and easy, rapid entry and exit.

Controls
Hydraulic levers with tactile feedback, an easy-turn steering wheel and a unique, push-button One-Touch Electric Park Brake with fail-safe design.

Operator Space
Extensive leg and headroom, a spacious step and floorboard, a wide brake that requires 53 percent less effort and posts placed for comfort and visibility.

Optional Integrated Cabin
Door-mounted heater controls, adjustable vents, integrated reading lights, front and rear wipers, 2-way sliding windows and retractable sunshade.

Safety and Stability.
Crown applied decades of expertise with counterbalanced trucks to ensure static and dynamic stability with the C-5. The Crown Intrinsic Stability System™ combines engineering, manufacturing and integrated technology to proactively ensure optimal safety and performance.

Intrinsic Stability Features
More Mass
Greater mass in the right places equals to added strength and confidence. Crown uses extra steel where it matters most to make the C-5 stronger and more stable.

Dead-Engine Braking and Steering
C-5 Series trucks retain braking and steering functions if the engine shuts down unexpectedly.

Hill Hold
Crown’s standard hill hold feature keeps the truck in place while in gear on a hill, without requiring constant pressure on the brake pedal.

Tilt Interlock and Speed Control
Crown Access 1 2 3 technology continually monitors the C-5’s degree of tilt, fork height and travel speed, limiting the possibility of a tip over.

Safety Through Tilt Interlock
One of the biggest risks associated with counterbalanced trucks is tipping it over. The C-5 Series’ Interlock System monitors tilt and height and automatically adjusts truck functionality to limit unsafe conditions and reduce the likelihood of a tip over.

Stability Through Tilt Interlock

- **TILT SPEEDS UNDER CONTROL**
  - The C-5 controls tilt speeds to reduce the possibility of a truck tip over.

- **2-DEGREE LIFT ZONE**
  - With the forks above free lift height, forward tilt is limited to 2-degrees.

- **FREE LIFT HEIGHT**
  - Below free lift height, operators have a full range of forward tilt.

- **FULL TILT LIFT ZONE**
  - With the forks above free lift height, forward tilt is limited to 2-degrees.

- **I-Beam Stability**
  - The C-5 Series mast outperforms in all three strength ratings: longitudinal and lateral stiffness and torsional resistance.

- **360° Visibility**
  - A low counterweight, high seat, forward operator position, angled cross bracings and open-mast design provide superior visibility forward, backward and upward.
Versatility to Excel in Any Application.

With super-elastic and cushion tyre models – plus dozens of options, attachments and accessories – the C-5 Series is more than a match for even the most demanding and specialised applications.

Cabin
Crown offers fully enclosed hard cabin and soft cabin options to ensure operator comfort and convenience, even in the harshest conditions.

Carriage Options
Crown offers a variety of standard and wide carriage options to match application requirements.

Attachments
Crown designed the C-5 to work with a full range of attachments to handle any kind of load. Whether you need a rotary, push-pull, single-double, carton or paper roll clamp or more, the Crown C-5 can deliver.

Tyres
The C-5 Series can be equipped with cushion or super-elastic tyres; both are available in a wide-track configuration, while the super-elastic also offers a dual-tyre option.

Reverse Travel Handle/Horn Option
In addition to a variety of Work Assist™ options, Crown’s Reverse Travel Handle/Horn enables operators to comfortably grip the handle and conveniently access the horn in heavy reverse travel applications.

Longest Warranties. Unprecedented Uptime.

The Crown C-5 Series is engineered for uptime and backed by cost-saving, productivity-enhancing features including long-term warranties and a global support system. When it comes to lifetime value, Crown is the clear leader.

ODC Powertrain Warranty
Included on trucks with Crown’s exclusive On-Demand Cooling System

Coverage includes:
- Engine
- Transaxle
- ODC Hydraulic Components

Standard Warranty
Coverage includes:
- Engine
- Transaxle
- Chassis
- Access Modules
- Radiator
- Power Brake

5-YEAR 10,000-HOUR
3-YEAR 6,000-HOUR
2-YEAR 4,000-HOUR

Severe Duty Battery Warranty

ODC

Put the C-5 to Work for You.
Contact your local representative for a demonstration.

Visit crown.com
See the C-5 Series

Crown's Integrity Service and Integrity Parts solutions ensure long-term truck performance by matching trained service engineers with Crown-made parts for long-lasting performance. That’s a major difference with Crown.

InfoLink is a wireless operator and fleet management solution that puts the power of accurate, up-to-date, business metrics right at your fingertips.

More uptime for your money.
Crown’s integrated approach combines truck feedback with diagnostics, Crown-made parts and dedicated service teams to give you more uptime and the lowest total cost of ownership.

*Includes Water Pump, Alternator and Starter

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