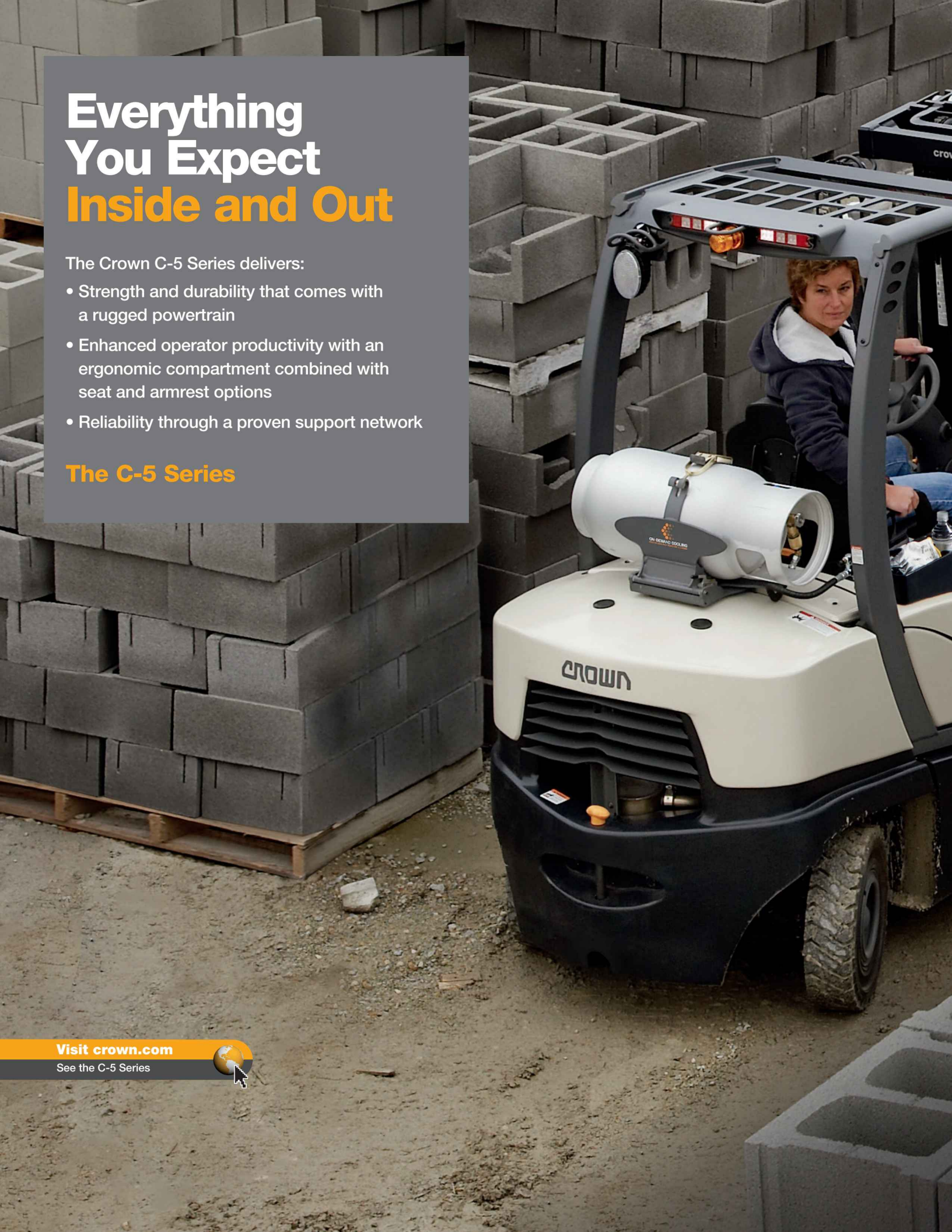
C-5

4,000-6,500 lb Capacity

IC Pneumatic Tire





Everything You Expect Inside and Out

The Crown C-5 Series delivers:

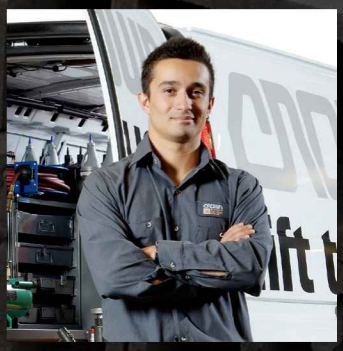
- Strength and durability that comes with a rugged powertrain
- Enhanced operator productivity with an ergonomic compartment combined with seat and armrest options
- Reliability through a proven support network

The C-5 Series

Visit crown.com
See the C-5 Series







Strength

With a true industrial powertrain and superior cooling, the new C-5 Series is designed to deliver.

Productivity

From a refined operator compartment to lift truck features that help ensure dynamic stability, the C-5 Series is the lift truck of choice for total throughput.

Support

Industry-leading warranties and dependable parts and service through Crown's global support network result in improved uptime, less maintenance and a longer vehicle lifespan.

Rugged
Industrial Engines

The C-5 Series engine and powershift transaxle are designed to deliver industrial power and longevity. Pneumatic models feature one of two engines, 2.4 Liter LPG engine developed by Crown or a 2.5 Liter Diesel engine, developed by Kohler specifically for Crown.

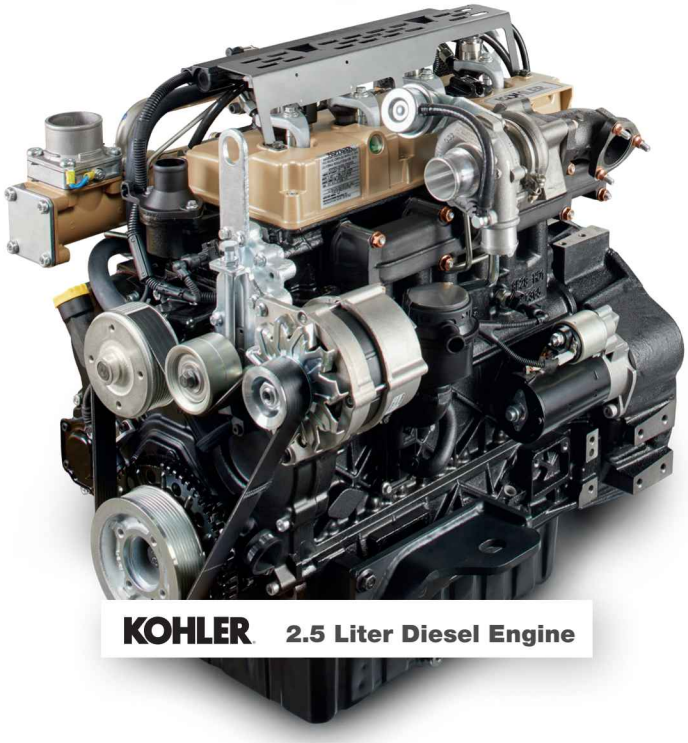


CROWN 2.4 Liter LPG Engine

LPG

Crown 2.4 Liter LPG Engine
Crown's industrial components offer smooth performance and durability making the Crown LPG Engine a solid choice over competing automotive designs.

- 4 Cylinder Inline
- Horsepower: 59 HP @ 2800 RPM
- Torque: 125 ft lb. @ 1400 RPM
- Cast Iron Cylinder Head and Block
- Gear-Driven Valve Train
- Engine Oil Cooler
- 1000 Hour Oil Change Interval
- 70 Amp Alternator
- Engine Balancing
- LPG Emissions Certified



KOHLER 2.5 Liter Diesel Engine

D

Kohler 2.5 Liter Diesel Engine
The Kohler Direct Injection Diesel Engine design meets the latest emission standards without requiring diesel exhaust fluid (DEF), or a diesel particulate filter (DPF).

- 4 Cylinder Inline, Turbocharger with Intercooler
- Horsepower: 62 HP @ 2600 RPM
- Torque: 207 ft lb. @ 1500 RPM
- Cast Iron Cylinder Head and Block
- Gear Driven Valve Train
- Engine Oil Cooler
- 1000 Hour Oil Change Interval
- 100 Amp Alternator
- Engine Balancing
- Tier 4 Diesel Emissions Certified



Dependable Powertrain

The powertrain is the heart of any lift truck and the C-5 Series is no exception. That's why Crown combines durable and robust components to create one of the most reliable powertrains in the industry.

Larger Axle and Bearing Diameters
Extra large axles and bearings provide strength and durability for long truck life.

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

High Temperature Seals
High temperature Viton seals and O-rings prolong life and avoid leaks for optimal component protection.

Gear Driven Hydraulic Pump
The main hydraulic system pump is wet-gear driven, with gears that continually run in transmission fluid, to eliminate maintenance and extend pump life.

Productivity Central

Crown has a long history of refining lift trucks and operator environments for safety and throughput, engineering more comfort and control into the new generation of the C-5 Series.

Operator Space
Operators benefit from exceptional work space with more room to move and controls well within reach.

Braking
The wide pedal lets operators brake easily from multiple foot positions, which reduces fatigue over the course of the shift. When equipped with Crown's Power Brake System, the brake requires 53 percent less pedal effort and offers a one-touch electric park brake.

Visibility
A low counterweight, high seat, forward operator position, slanted cross braces and open-mast design provide outstanding visibility for better views up, down and side to side.



Crown FlexSeat™
- Wide, durable flexible seat for greater comfort
- Replaceable components for easy maintenance
- Inherent suspension absorbs shock and vibration

Full-Suspension Seat (Optional)
- Adjustable backrest and lumbar support
- Operator weight adjustable
- Fore/aft adjustable





Premium Power Air Suspension Seat (Optional)
- Heated seat and backrest
- Extended backrest



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

In Control

Crown applied decades of expertise to provide static and dynamic stability with the C-5 Series. The Crown Intrinsic Stability System® combines engineering, manufacturing and integrated technology to proactively enhance safety and performance.

Intrinsic Stability Features

More Mass
Greater mass equates to added strength and confidence. Crown uses extra steel where it matters most to make the C-5 Series stronger and more stable.

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

Hill Hold
Crown's hill hold feature keeps the lift 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 Series' degree of tilt, staging and travel speed to set a maximum allowable speed, helping reduce the possibility of a tip over.

I-Beam Stability
The C-5 Series mast outperforms in all three strength ratings: longitudinal and lateral stiffness and torsional resistance. Handling heavy loads at height is no problem with the I-beam mast construction, which enables dependable performance at height for greater operator confidence and productivity.

eSmart® Accurate Fuel Tracking

- Patented technology monitors fuel pressure and temperature
- Displays instantaneous average and total fuel usage
- Industry-leading fuel economy



Crown D4 Armrest (Optional)

- Aligns operator arm to manual levers for easy all day operation
- Height and fore/aft adjustable
- Replaceable arm pad
- One-handed adjustment with position indicators



Hot Problems
Cool Solutions

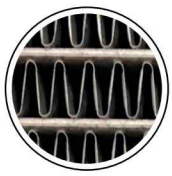
Overheating is one of the biggest threats to long powertrain life. Inefficient cooling can cause reduced performance, component damage or even total engine or transmission failure. That's why Crown developed an innovative system that cools more efficiently, increasing truck performance and extending powertrain life.

Competitor Radiator

Average is Not Enough

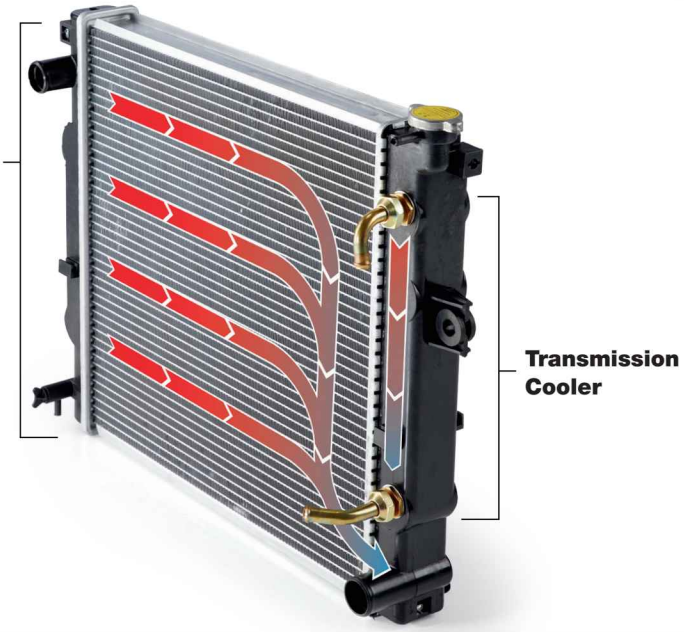
In an automotive radiator, transmission oil does not circulate across the radiator. Instead, it flows through a passive side tank.

Without airflow, the transmission oil is affected by increasing engine temperature, dangerously raising overall powertrain temperature—especially in high duty-cycle applications.



Competitor Radiator Core

- Air flow is reduced by smaller fins that can easily get clogged or damaged, reducing efficiency
- Fluid temperatures run hotter, decreasing powertrain life
- Passive transmission cooler provides no airflow and less cooling efficiency
- Automotive style radiators are used to meet a lower price point



Crown Cooling System

Twice the Cooling

Crown's standard Cooling System uses separate high-capacity radiators with dedicated airflow to lower both engine and transmission temperatures. The high capacity is obtained by larger side tanks that hold more fluid volume.

This protects long powertrain life.

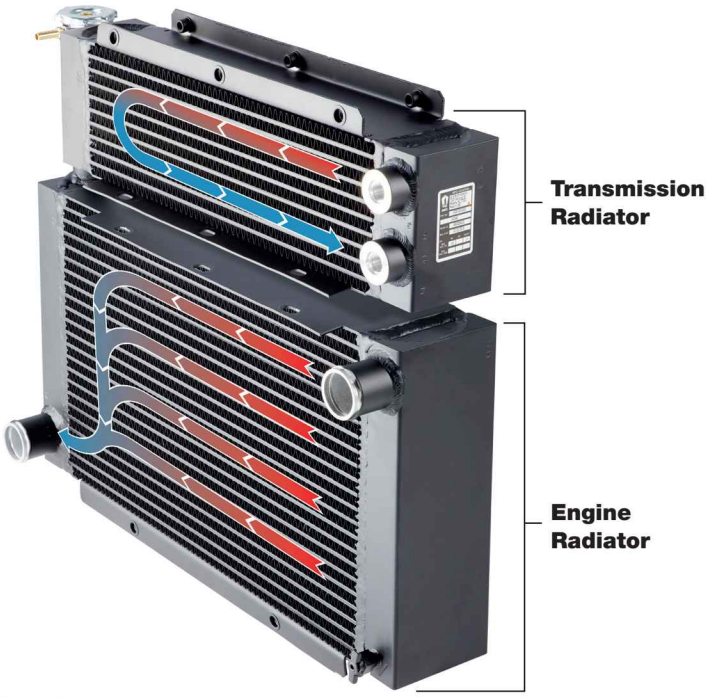
3 Year
Radiator Warranty



Radiator Core

- Durability of industrial fins reduces clogging and damage, improving air flow and efficiency
- Extra opening between fins helps prevent debris buildup
- Separate transmission radiator provides dedicated airflow and improved cooling
- Fluid temperatures run cooler, improving powertrain life

20°F
Temperature reduction can significantly increase transmission life.



ON•DEMAND COOLING
PRECISE COOLING • RADIATOR CLEARING

On-Demand Cooling®

Robust Option for High-Debris and High-Heat Applications

Crown's On-Demand Cooling System (ODC) combines Crown's standard dual radiator (see left) with an independent hydraulic driven fan for optimum cooling and clearing of debris.



For **COOLING FLOW**, the fan speed changes automatically to better manage engine and transmission temperatures. The fan has the ability to operate 30 percent faster at idle than an engine-driven fan for more cooling capacity.

With **CLEARING FLOW**, the fan automatically reverses to clear debris from the radiator.

Dependability
You Can Count On

From the design of each component that contribute to overall truck performance and lifespan, to the factory-trained network of technicians located throughout the world, we offer confidence like no other.

Consider the durability of the Crown Power Brake System and the industry-leading three-year, 6,000-hour warranty offered on a range of critical truck components.

Crown Power Brake

Crown's Power Brake System, standard on all C-5 Series pneumatic forklifts, delivers exclusive 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 brake 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

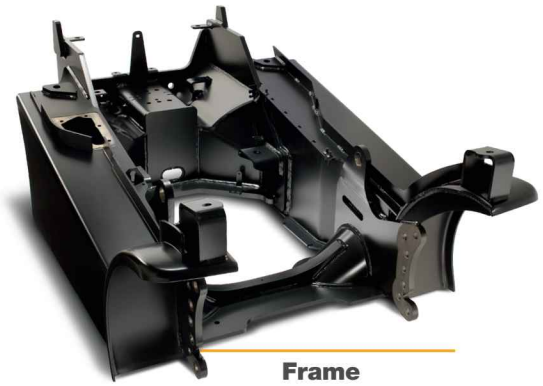
Self-adjusting brakes last three times longer than typical brakes–up to 10,000 hours.



Robust Warranty

Customers can rest assured that Crown trucks are ready to serve, delivering dependable performance and a low cost of ownership over a long, productive lifetime.

3 Year Warranty | **6,000 hrs.**



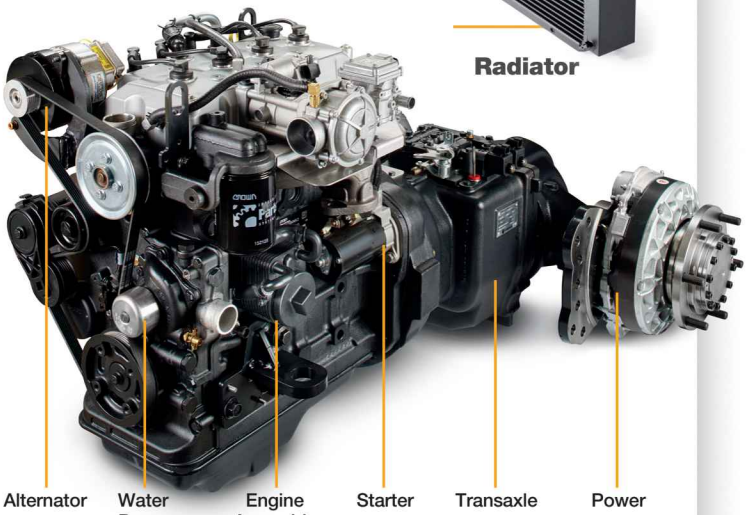
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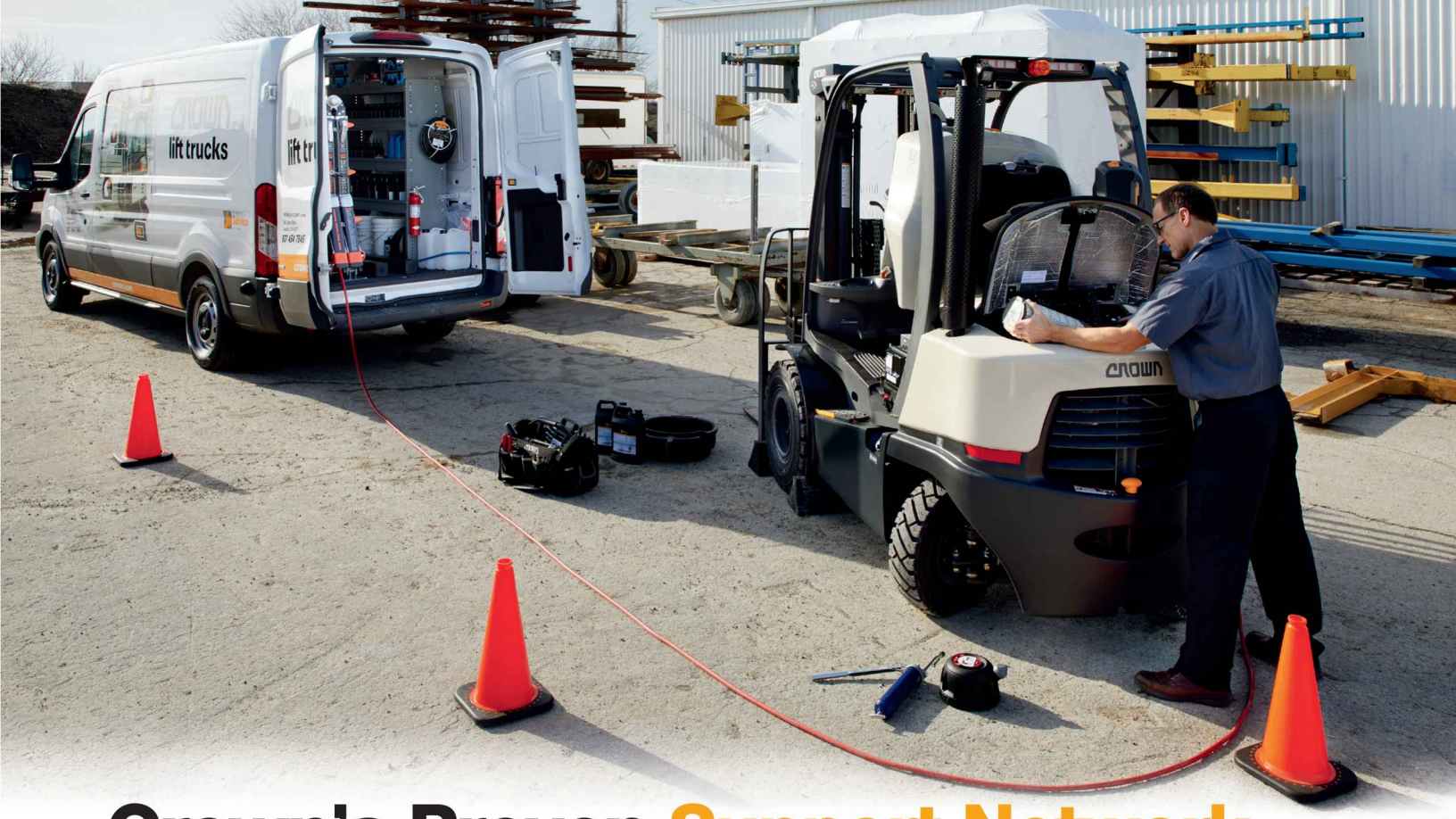
Radiator

Access123®

Control Modules



Powertrain



Crown's Proven Support Network

Crown support begins long before this truck leaves the factory. Our integrated approach to service provides the best user experience to our customers—before, during and after the sale.

Safety and Training

Our comprehensive training programs for operators, supervisors, technicians—and even pedestrians—can help support your efforts to provide a safe and productive work environment. Our DP TrainSafe® Train-the-Trainer program offered locally can provide your organization with tools to efficiently train new operators using your own resources. At our Regional Training Centers, DP Service Technician Training goes above and beyond traditional classroom training, allowing participants to work on lift trucks with instructor supervision.

Integrity Parts and Service

Crown's forklift maintenance and repairs keep your equipment running—regardless of brand. From time and material to complete maintenance, our Integrity Service System offers a variety of service plans to suit your needs in the most efficient and cost-effective way. Our well-stocked, GPS-dispatched service vans ensure your service technician arrives with the right part at the right time.

Fleet Management

Infolink® Operator and Fleet Management puts the power of accurate, on-demand business metrics at your fingertips. When robust data drives confident decisions, your organization can achieve improved results in safety and compliance, higher productivity, lower costs and optimized operations. InfoLink Data Services can help create a solid foundation to help you achieve your goals and provide data integration and other consultative services to continue your journey.

Put the C-5 Series to Work for You.

Contact your local Crown dealer for a demonstration.

Visit crown.com
See the C-5 Series

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New Bremen, Ohio 45869 USA
Tel 419-629-2311
Fax 419-629-3796
crown.com

You can count on Crown to build lift trucks designed for safe operation, but that's only part of the safety equation. Crown encourages safe operating practices through ongoing operator training, safety-focused supervision, maintenance and a safe working environment. Go to crown.com and view our safety section to learn more.

Because Crown is continually improving its products, specifications are subject to change without notice.

Notice: Not all products and product features are available in all countries in which this literature is published.

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