CASE CONSTRUCTION

Motor Graders

B SERIES & C SERIES

836C | 836C AWD | 856C | 856C AWD | 865B | 865B AWD | 885B | 885B AWD

SINCE 1842

C SERIES, A MARVEL OF POWER AND PRECISION

Turbocharged Tier 4 Final engine that achieves operating speeds of up to 27 mph to a spacious, rear-mounted cab that gives operators exceptional visibility of the working part of the machine, CASE C Series graders are engineered to deliver a level of productivity others can't match and comfort operators can't deny. Optional Machine Control Ready for Leica, Topcon and Trimble.

+ Exclusive Front Articulation
+ Sealed and Lubricated Circle
+ All-Wheel Drive with Creep Mode
+ Spacious and Quiet Cab
+ Protected by ProCare
+ Optional Machine Control Ready for Leica, Topcon and Trimble

836C

836C AWD

856C

856C AWD


856C AWD
CASE
VHP

C SERIES

POWER TO THE GROUND

TIER 4 FINAL

The patented FPT Hi-eSCR is the key for performance and success. The CASE grader is the only one on the market satisfying the restrictive Tier 4 Final demands with SCR-only after-treatment technology. None of the others can provide such a smart and cost efficient solution thanks to the following exclusivities:

+ No DPF regeneration during working activities, meaning no waste of fuel
+ No DPF filter periodical replacement
+ No need of double stage after-treatment DPF+SCR
+ The FPT engine implies no gas recirculation, consequently improving the combustion efficiency
+ Clean after-treatment layout provides easy engine serviceability
+ Lower engine cooling requirement and consequently smaller radiator size for better rear visibility and easy cleaning

BECOME MORE PRODUCTIVE AT HIGHER SPEEDS

The engine is completely application-engineered to power motor graders which require fast torque response to keep high productivity levels. For even higher performances, the variable horsepower maximizes operation at higher speeds thanks to the power curve flattening from 4th gear.

NEVER SO UNDEMANDING

Daily maintenance operations have never been so undemanding. All of the main check points on the left hand side of the machine, are easily reachable from ground level. The smallest after-treatment package on the market doesn't impact the serviceability of the engine layout.

PRECISE AT ANY SPEED

Creep mode on AWD models: This setting powers just the front wheels independently from the engine revolutions. Creep mode allows the rear tandems to remain in neutral and rotate independently of each other. This will eliminate tire scuffing in tight turns during finish grading. Independently from the transmission chosen, 4WD or 6WD, the 836C can be also equipped with 24'' tires.

REVOLUTIONARY TECHNOLOGY

JERK FREE SHIFTING

The automatic shifting function eases operator concentration and optimizes the machine performance, letting the grader engine work on the most productive area of the power curve. The function combined with the torque converter never reaches the power unit stall, making a real difference compared to competitors in the grader sector. 100% automatic differential lock: the automatic No-Spin differential instantaneously transfers the torque from the slipping tire to the wheel with better grip. The system doesn't require any driver intervention, allowing the operator to be focused on the blade movement control.

ZERO FRICTION ENGINEERING SOLUTIONS

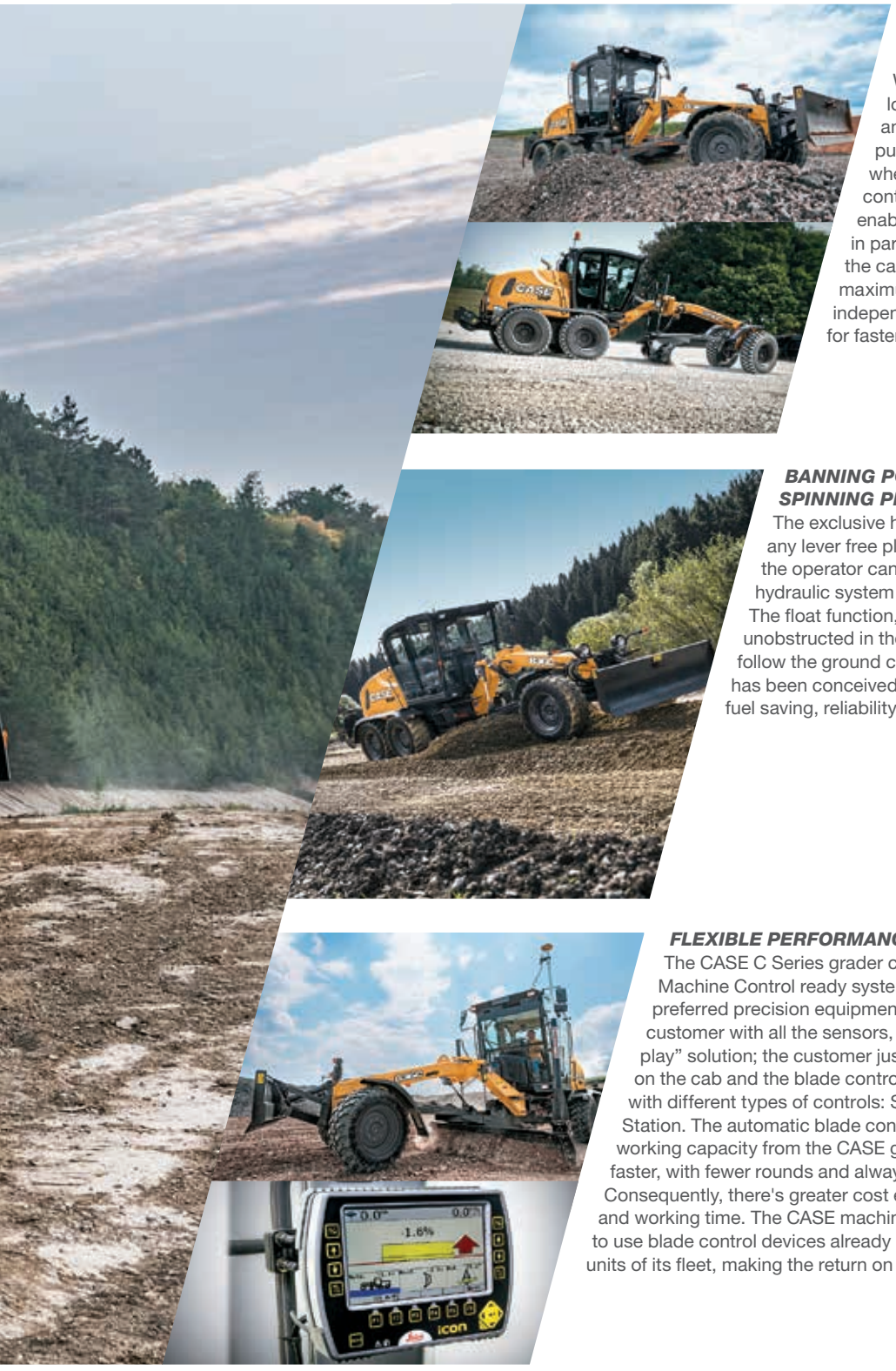
Moldboard design revolutionizes and maximizes controllability with very low friction developed during operation, jolt-free high rotation torque for a very smooth and accurate blade rotation and steadiness. The slewing ring is mounted on roller bearings activated by internal gearing avoiding backlash, wear and supporting high mechanical strain. The exclusive moldboard design, with fewer greasing points, reduces the daily maintenance drastically. During the machine service life, periodic substitution of wear inserts is not required, cutting down overall maintenance costs.

STRESS FREE STRUCTURE

The "A-Shape" Drawbar structure constantly compensates the machine operation efforts while working. The typical lateral stress on off-set position are virtually eliminated for longer operating life. The saddle can be hydraulically set on 5 different positions very easily thanks to a pin lock system. The exclusive Gooseneck geometry enables the operator to rotate the moldboard over 90° for each working side without any mechanical interference.

C SERIES

EXTREME PRECISION



FLOW AT YOUR FINGERTIP

The new CASE C Series grader brings incredible precision to the market with its hydraulic circuit. With highly responsive and precise controls, the load sensing hydraulics make any operation easy and smooth. A directly activated axial piston pump delivers only the required amount of oil where it is needed, avoiding power waste. The control valves provide pressure compensation enabling the moldboard to be lifted or lowered in parallel. A dedicated switch installed on the cab floor allows the operator to obtain maximum output from the hydraulic circuit, independently from the engine revolutions, for faster reactions (Full Flow Mode).

BANNING POWER WASTE, SPINNING PRODUCTIVITY

The exclusive hydraulic block, directly controlled, reduces any lever free play over the entire grader life. Meanwhile, the operator can benefit from a direct feed-back of the hydraulic system increasing the working accuracy. The float function, available as an option, lets the oil flow unobstructed in the cylinders to let the moldboard naturally follow the ground contour. This exclusive hydraulic system has been conceived to provide unbeatable performance, fuel saving, reliability and grader controllability.

FLEXIBLE PERFORMANCE

The CASE C Series grader can be equipped from factory with optional Machine Control ready system, which allows easy integration of any preferred precision equipment supplier. The unit is delivered to the customer with all the sensors, cables and supports. It’s a real “plug and play” solution; the customer just has to install the antenna and the monitor on the cab and the blade control is ready to work. The system is compatible with different types of controls: Sonic, Laser, GPS or Universal Total Station. The automatic blade control allows operators to get a considerable working capacity from the CASE grader. This helps to get the job done faster, with fewer rounds and always the right amount of material moved. Consequently, there's greater cost effectiveness in terms of operation and working time. The CASE machine control option allows customers to use blade control devices already installed in other construction units of its fleet, making the return on investment more immediate.

C SERIES

COMFORT RULES

ALIGNED WITH PERFORMANCE

The rear mounted ROPS/FOPS cab offers a highly valuable advantage in comfort and convenience:

+ Operators are aware of the articulation angle at all times
+ The rear located cab improves visibility on the moldboard
+ Air suspension and heated seat come standard, which improves operator well-being at work

The wide tinted glass mounted on the front and on the side of the cab provides unobstructed all-around visibility. The operator always has full moldboard visibility until its heel angle. The safety too is improved:

+ The new rear view camera guarantees a safer rear visibility
+ The driver doesn't have to turn back anymore when he has to drive the machine backward
+ Obstacles can be easily recognized from a quick look at the wide 7" color screen

The C Series is an evolution of the B Series motor grader and offers a similarly specified weight and horsepower overlap, yet with modern refinements, and capabilities. The C Series does not replace the B Series outright, yet enhances the overall CASE Construction motor grader offering.

Seen here with optional Machine Control configuration switches mounted on either side of the conventional motor grader controls.

865B

865B AWD

885B

885B AWD

B SERIES, A MARVEL OF POWER AND PRECISION

From a unique moldboard design that rolls a superior mix to a fuel-efficient, turbocharged Tier 3 engine that achieves operating speeds of up to 27 mph to a spacious, rear-mounted cab that gives operators exceptional visibility of the working part of the machine, CASE B Series graders are engineered to deliver a level of productivity others can't match and comfort operators can't deny.

+ Unique Multi-Radius Involuted Moldboard
+ Exclusive Front Articulation
+ Externally Driven Circle Teeth
+ All-Wheel Drive with Creep Mode
+ Spacious Cab
+ Protected by ProCare

B SERIES

A GREATER GRADER

MASSIVE CAB, MASSIVE COMFORT

At more than 76 inches tall, the B Series motor graders boast a spacious cab, giving operators plenty of room to stand, move, see and work. The ROPS/FOPS-certified Iso-mount cab also helps minimize noise and vibration for a quiet, comfortable ride. Coupled with the optional deluxe suspension seat with lumbar control, you'll feel less fatigued and more productive throughout the day.

THE ALL-WHEEL DRIVE ADVANTAGE

All-wheel drive (AWD) models deliver incredible responsiveness, improved steering and greater draft control in tricky underfoot conditions such as mud, sand, snow and banks – crucial for faster snow removal and greater performance in ditching or heavy blading applications.

STABILITY STARTS WITH AN A-FRAME

A stout A-frame drawbar offers outstanding stability, thanks to the heavy-duty boxed frame design. Its wide stance supports the industry's largest circle, which is engineered for greater efficiency, requiring less power when turning the circle. Together, their high-strength design provides maximum durability and component life.

SMART, EXTERNALLY DRIVEN CIRCLE TEETH

Unlike others, CASE motor graders are designed with external circle teeth. This self-cleaning, large tooth design provides more contact area to deliver greater leverage when turning the blade under load. And should you hit an obstacle with the blade, the CASE circle pulls away from the drive gear instead of towards it, which can bind it. So there's no need for slip clutches or shear pins.

SHOCK-ABSORBING CIRCLE SAVERS

Optional anti-shock accumulators protect circle components by allowing the moldboard to move over obstructions and then return to its original position – no adjustment or operator intervention necessary.

C SERIES

TOOLS FOR EVERY TASK

MACHINE CONTROL READY

RIPPER

UNIVERSALLY COMPATIBLE WITH LEICA, TOPCON AND TRIMBLE

STANDARD FENDERS FRONT AND REAR

FRONT DOZER BLADE

CASE C Series graders are available with a wide variety of fittings making them suitable for a great number of applications:

+ 3 customizable moldboard widths for each model to easily adapt the pushing power to different material density and working conditions
+ Different Moldboard extensions for better lateral material retention in fine grading
+ Moldboard overload clutch to preserve frame and moldboard from any unexpected collision, recommended in forestry applications
+ Moldboard scarifier for easier light soil preparation in a single pass
+ 3 or 5 teeth ripper to better scarify the sturdier soil roots
+ Front blade for faster dozing operations and for improved productivity in combination with the central blade
+ Specific front counterweight: better machine balance and higher tractive effort
+ Rear hydraulic set up provides the right oil flow for additional implements such as compactors, it represents the ideal combination with the exclusive creep mode
+ Fuel tank refill pump: easier daily tank refill in any working environment
+ Additional lights packages:
  On the rear counterweight
  On the lower part of the cab for higher light intensitiy on the moldboard

B SERIES

ATTACHED TO STRENGTH

FRONT COUNTERWEIGHT

RIPPER

SCARIFIER

FRONT PUSH PLATE

FRONT DOZER BLADE

CASE offers a variety of B Series grader attachments, including:

+ Front counterweight
+ Ripper
+ Scarifier
+ Front push plate light 1,084 lbs. - heavy 1,764 lbs.
+ Front dozer blade
+ Rear pull hook
+ Additional lighting packages
+ Lift cylinder accumulators
+ Float control
+ Moldboard extensions

Protected by
ProCare
FACTORY WARRANTY
PLANNED MAINTENANCE
TELEMATICS

GO BIG, WE'VE GOT YOU COVERED

CASE ProCare is the industry's most comprehensive and standard-from-the-factory heavy machine support program that's as powerful as the equipment it protects. Best of all, ProCare comes standard on all new B and C Series motor graders and keeps you covered for up to three years. It's the assurance businesses need to stay competitive, productive and profitable.

3-yr/3000-hr Full-Machine Factory Limited Warranty*
STANDARD

3-yr/2000-hr Planned Maintenance
STANDARD

3-yr Advanced SiteWatch™ Subscription
STANDARD

SUPPORT COMES STANDARD

CNH INDUSTRIAL AFTERMARKET SOLUTIONS

STRONGER PRODUCT SUPPORT SOLUTIONS

Your CASE dealer knows best how you can maximize your equipment investment and uptime—with genuine CASE parts, expert service and a complete range of product support solutions including CASE remanufactured and all-makes parts. CASE supports better parts availability and faster deliveries through nine parts distribution centers in North America and a forecasting system to ensure that the right parts will be there when you need them. And only CASE dealers have exclusive access to the Electronic Service Tool (EST) that quickly pinpoints machine issues. Just ask your dealer for details.

CNH INDUSTRIAL CAPITAL

FLEXIBLE FINANCIAL OPTIONS

Specialized finance programs and flexible leasing packages put you in the driver's seat of industry-leading CASE equipment while no-nonsense warranties and comprehensive protection plans ensure that your equipment is protected. As the only finance company dedicated to CASE, we offer strong products and services designed around your unique needs and are the only ones supported by the helpful service professionals at your CASE dealer.

*See your dealer for the complete terms of CNH's Warranty and Limitations of Liability, which contains certain limits and exclusions. ProCare is a factory-fit program available on new heavy machine orders.

SPECIFICATIONS AND DIMENSIONS

SPECIFICATIONS	836C	836C AWD	856C	856C AWD
Engine	F4HFE6133*B003 NEF 6 cyl. CR TAA 4V	F4HFE6133*B003 NEF 6 cyl. CR TAA 4V	F4HFE613Y*B005 NEF 6 cyl. CR TAA 4V	F4HFE613Y*B005 NEF 6 cyl. CR TAA 4V
Gross Horsepower @ 2200 RPM – hp (kW)	138/156 (102/115)	138/156 (102/115)	173/190 (129/142)	173/190 (129/142)
Emissions Certification Solutions	Tier 4 Final	Tier 4 Final	Tier 4 Final	Tier 4 Final
Engine Displacement – in³ (L)	409 (6.7)	409 (6.7)	409 (6.7)	409 (6.7)
Operating Weight – lb (kg)	26,466 (12 005)	27,128 (12 305)	33,966 (15 407)	34,848 (15 807)
Blade Pressure – lb (kg)	10,736 (4 870)	11,003 (4 991)	16,720 (7 519)	17,006 (7 714)
Maximum Forward Travel Speed – mph (kph)	24.8 (39.9)	24.8 (39.9)	23.6 (38)	23.6 (38)
Peak Torque – lbf (kN)	612/649/686 (830/880/930)	612/649/686 (830/880/930)	682/726 (924/984)	682/726 (924/984)
FWD/REV Gears	6/3	6/3	6/3	6/3
Total Flow – gpm (L/min)	25 (94.5)	25 (94.5)	33.2 (126)	33.2 (126)
DIMENSIONS	**836C**	**836C AWD**	**856C**	**856C AWD**
Moldboard Length	11 ft 0 in (3 355 mm)	11 ft 0 in (3 355 mm)	12 ft 0 in (3 658 mm)	12 ft 0 in (3 658 mm)
Moldboard Height	20.71 in (526 mm)	20.71 in (526 mm)	23.74 in (603 mm)	23.74 in (603 mm)
Moldboard Thickness	0.59 in (15 mm)	0.59 in (15 mm)	0.787 in (20 mm)	0.787 in (20 mm)
Distance Between Outside Edges of Tires	7 ft 8 in (2 326 mm)	7 ft 7 in (2 303 mm)	8 ft 4 in (2 549 mm)	8 ft 4 in (2 549 mm)
Wheel Tread	6 ft 4 in (1 923 mm)	6 ft 3 in (1 900 mm)	6 ft 11 in (2 094 mm)	6 ft 11 in (2 094 mm)
Height to Top of Low-Profile Cab	10 ft 1 in (3 060 mm)	10 ft 1 in (3 060 mm)	10 ft 4 in (3 150 mm)	10 ft 4 in (3 150 mm)
Tire Radius – When Static	1 ft 7 in (487 mm)	1 ft 7 in (487 mm)	1 ft 11 in (584 mm)	1 ft 11 in (584 mm)
Blade Base	6 ft 6 in (1 981 mm)	6 ft 6 in (1 981 mm)	8 ft 3 in (2 504 mm)	8 ft 3 in (2 504 mm)
Distance Between Tandem Axles	4 ft 1 in (1 241 mm)	4 ft 1 in (1 241 mm)	5 ft 2 in (1 573 mm)	5 ft 2 in (1 573 mm)
Distance Between Tandem Center and Wheel	2 ft 0 in (621 mm)	2 ft 0 in (621 mm)	2 ft 7 in (787 mm)	2 ft 7 in (787 mm)
Wheelbase	17 ft 7 in (5 351 mm)	17 ft 7 in (5 351 mm)	20 ft 3 in (6 023 mm)	20 ft 3 in (6 023 mm)
Overall Length – Without Ripper or Front Attachment	27 ft 4 in (8 372 mm)	27 ft 4 in (8 372 mm)	30 ft 3 in (9 371 mm)	30 ft 3 in (9 371 mm)
Turning Radius	21 ft 8 in (6 600 mm)	22 ft 4 in (6 800 mm)	23 ft 11 in (7 300 mm)	23 ft 11 in (7 300 mm)

865B	865B AWD	885B	885B AWD
FPT F4HE9687C	FPT F4HE9687C	FPT F4HE9687K	FPT F4HE9687K
193/205/220 (144/153/164)	193/205/220 (144/153/164)	220/234 (164/175)	220/234 (164/175)
Tier 3 Certified	Tier 3 Certified	Tier 3 Certified	Tier 3 Certified
409 (6.7)	409 (6.7)	409 (6.7)	409 (6.7)
33,797 (15 330)	35,274 (16 000)	39,771 (18 040)	42,198 (18 124)
18,519 (8 400)	19,048 (8 640)	21,473 (9 740)	22,267 (10 100)
27.8 (44.8)	27.8 (44.8)	27.8 (44.8)	27.8 (44.8)
612/649/686 (830/880/930)	612/649/686 (830/880/930)	682/726 (924/984)	682/726 (924/984)
8/4	8/4	8/4	8/4
49 (186)	49 (186)	49 (186)	49 (186)
865B	**865B AWD**	**885B**	**885B AWD**
14 ft 0 in (4 267 mm)	14 ft 0 in (4 267 mm)	14 ft 0 in (4 267 mm)	14 ft 0 in (4 267 mm)
23.6 in (600 mm)	23.6 in (600 mm)	23.6 in (600 mm)	23.6 in (600 mm)
0.875 in (22 mm)	0.875 in (22 mm)	0.875 in (22 mm)	0.875 in (22 mm)
8 ft 1 in (2 452 mm)	8 ft 1 in (2 452 mm)	8 ft 8 in (2 650 mm)	8 ft 8 in (2 650 mm)
6 ft 11 in (2 106 mm)	6 ft 11 in (2 106 mm)	7 ft 2 in (2 174 mm)	7 ft 2 in (2 174 mm)
10 ft 4 in (3 150 mm)	10 ft 4 in (3 150 mm)	10 ft 4 in (3 150 mm)	10 ft 4 in (3 150 mm)
2 ft 0 in (610 mm)	2 ft 0 in (610 mm)	2 ft 0 in (610 mm)	2 ft 0 in (610 mm)
8 ft 5 in (2 562 mm)	8 ft 5 in (2 562 mm)	8 ft 5 in (2 562 mm)	8 ft 5 in (2 562 mm)
5 ft 3 in (1 594 mm)	5 ft 3 in (1 594 mm)	5 ft 4 in (1 624 mm)	5 ft 4 in (1 624 mm)
2 ft 7 in (797 mm)	2 ft 7 in (797 mm)	2 ft 8 in (812 mm)	2 ft 8 in (812 mm)
20 ft 5 in (6 219 mm)	20 ft 5 in (6 219 mm)	20 ft 5 in (6 219 mm)	20 ft 5 in (6 219 mm)
28 ft 0 in (8 534 mm)	28 ft 0 in (8 534 mm)	28 ft 0 in (8 534 mm)	28 ft 0 in (8 534 mm)
23 ft 9 in (7 250 mm)	23 ft 9 in (7 250 mm)	23 ft 11 in (7 289 mm)	23 ft 11 in (7 289 mm)

BUILDING A STRONG CASE

Since 1842, we at CASE Construction Equipment have lived by an unwavering commitment to build practical, intuitive solutions that deliver both efficiency and productivity. We continually strive to make it easier for our customers to implement emerging technologies and new compliance mandates.

Today, our global scale combined with our local expertise enables us to keep customers' real-world challenges at the center of our product development. This focus has led to numerous innovations like Ride Control™, EZ-EH controls, blade shake, PowerLift™, over-center boom design and the peace of mind that only CASE ProCare provides.

Every CASE machine is backed by more than 300 North American dealer locations, thousands of OEM, remanufactured and all-makes parts, and flexible financing and insurance options that provide the kind of reliable, steadfast support you expect from a professional partner.

We are passionate about improving the lives of others, whether investing in our veterans or raising awareness about local infrastructure initiatives through Dire States. Our goal is to build both stronger machines — and stronger communities.

At the end of the day, we do what's right by our customers and our communities so that they can count on CASE.

CaseCE.com/MG

Form No. CCE201908MG
Replaces Form No. CCE201901MG

Biodiesel Ready — CASE Construction Equipment is biodiesel-friendly.

NOTE: All engines meet current EPA emissions regulations. All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

SAFETY™ NEVER HURTS — Always read the Operator's Manual before operating equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs and use any safety features provided.