



Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

State of West Virginia  
 Request for Quotation  
 13 -- Equipment

Proc Folder: 82009

Doc Description: Addendum No 2 CLASS 405 MOTOR GRADER ARTICULATED AWD

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2015-05-08	2015-05-21 13:30:00	CRFQ 0803 DOT1500000081	3

**BID RECEIVING LOCATION**

BID CLERK  
 DEPARTMENT OF ADMINISTRATION  
 PURCHASING DIVISION  
 2019 WASHINGTON ST E  
 CHARLESTON WV 25305  
 US


**VENDOR**

Vendor Name, Address and Telephone Number:  
 STATE EQUIPMENT, INC.  
 P.O. BOX 3939  
 CHARLESTON, WV 25339  
 (304)776-4405

05/21/15 11:57:17  
 WV Purchasing Division

**FOR INFORMATION CONTACT THE BUYER**

Misty DeLong  
 (304) 558-8802  
 misty.m.delong@wv.gov

Signature:  FEIN # 550658298 DATE 5/20/15

All offers subject to all terms and conditions contained in this solicitation

INVOICE TO		SHIP TO	
DIVISION OF HIGHWAYS EQUIPMENT DIVISION RT 33 83 BRUSHY FORK RD CROSSING BUCKHANNON WV26201 US		DIVISION OF HIGHWAYS EQUIPMENT DIVISION 33 BRUSHY FORK RD CROSSING BUCKHANNON WV 26201 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	CLASS 405 MOTOR GRADER ARTICULATED	10.00000	EA	\$238,900.00	\$2,389,000.00

Comm Code	Manufacturer	Specification	Model #
22101502	CASE	CLASS 405 MOTOR GRADER	865B AWD

**Extended Description :**

CLASS 405 MOTOR GRADER ARTICULATED ALL WHEEL DRIVE WITH REVERSIBLE FRONT MOUNTED SNOWPLOW

<b>DOT1500000081</b>	<b>Document Phase</b> Final	<b>Document Description</b> Addendum No 2 CLASS 405 MOTOR GRADER ARTICULATED AWD	<b>Page 3</b> <b>of 3</b>
----------------------	--------------------------------	--	------------------------------

**ADDITIONAL TERMS AND CONDITIONS**

See attached document(s) for additional Terms and Conditions

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: DOT1500000081**

**Instructions:** Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

**Acknowledgment:** I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

**Addendum Numbers Received:**

(Check the box next to each addendum received)

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6  |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7  |
| <input type="checkbox"/> Addendum No. 3            | <input type="checkbox"/> Addendum No. 8  |
| <input type="checkbox"/> Addendum No. 4            | <input type="checkbox"/> Addendum No. 9  |
| <input type="checkbox"/> Addendum No. 5            | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

STATE EQUIPMENT, INC.

Company



Authorized Signature

5/20/15

Date

**NOTE:** This addendum acknowledgment should be submitted with the bid to expedite document processing.

Revised 6/8/2012

Exhibit A

**Pricing Sheet**

**RFQ 7015EC05**

<b>Item Number</b>	<b>Estimated Quantity</b>	<b>Unit of Measure</b>	<b>Description</b>	<b>Unit Price</b>	<b>Total</b>	
1	10	Each	One complete unit: Motor Grader Articulated All-Wheel Drive Reversible Front Mtd. Snowplow	\$238,900.00	\$2,389,000.00	\$0.00
				<b>Grand Total</b>	<b>\$2,389,000.00</b>	<b>\$0.00</b>

Vendor should also supply the year, make, and model of the following:      2015 CASE 865B AWD

Motor Grader Articulated All Wheel Drive Reversible Front Mounted Snowplow

**CERTIFICATION AND SIGNATURE PAGE**

By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

STATE EQUIPMENT, INC.

(Company)



EDDIE ROWAN, JR GENERAL MANAGER

(Authorized Signature) (Representative Name, Title)

(304)776-4405 (304)776-4409 5/20/15

(Phone Number) (Fax Number) (Date)

REQUEST FOR QUOTATION  
Equipment Rental Contract WITHOUT Operator

---

- 8.8 Contract Manager:** During its performance of this Contract, the Vendor must designate and maintain a primary Contract Manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract Manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract Manager and his or her contact information below:

Contract Manager: EDDIE ROWAN, JR  
Telephone Number: 304-776-4405  
Fax Number: 304-776-4409  
Email Address: EDDIE@STATEEQUIPMENT.COM



# STATE EQUIPMENT, INC.

PO BOX 3939  
CHARLESTON WV 25339

PHONE: 304-776-4405  
FAX: 304-776-4409  
INFO@STATEEQUIPMENT.COM  
WWW.STATEEQUIPMENT.COM

---

## Exceptions

- 3.1.3.1 WE ARE CURRENTLY TIER 3 COMPLIANT.
- 3.1.3.2 6.7L ENGINE
- 3.1.9.3 4 REVERSE SPEEDS
- 3.1.10.1 2.7 MPH
- 3.1.10.2 27.8 MPH
- 3.1.10.3 2.5 MPH
- 3.1.10.4 19.3 MPH
- 3.1.15.2 1010 CCA
- 3.1.17.4 PARKING BRAKE MECHANICALLY APPLIED
- 3.1.18.1 CONTROLS ARE MECHANICAL TYPE
- 3.1.19.5 B. WIDTH 23.6"  
D. 28" DEPTH OF CUT
- 3.1.20.3 46" CUTTING WIDTH



**CASE**  
CONSTRUCTION

# B SERIES

MOTOR GRADERS

845B | 865B | 865B AWD | 885B | 885B AWD



## 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 Involute Moldboard

★ Exclusive Front Articulation

★ Externally Driven Circle Teeth

★ All-Wheel Drive with Creep Mode



**Models Available**



845B



865B



865B AWD



885B



885B AWD

★ Spacious Cab

★ Protected by ProCare

# A GREATER GRADER.



## ONE-OF-A-KIND MOLDBOARD DESIGN

A consistent aggregate mix is critical to surface quality and pothole prevention. Made from high-carbon steel, the CASE reinforced, multi-radius, involuted moldboard design cuts, mixes and rolls material in an effortless wave that results in a finer mix. Its efficiency requires less horsepower too, saving you fuel. Our moldboard can also pitch, tilt and move laterally to match site demands, and can expand up to 16 feet with optional extensions.



## 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.

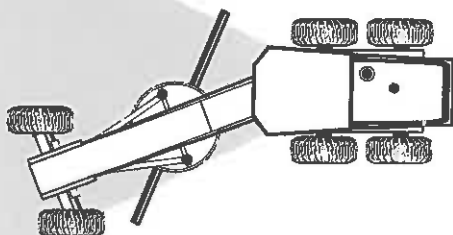
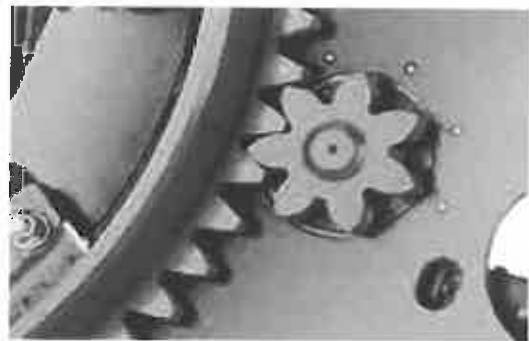
## STABILITY STARTS WITH AN A-FRAME

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.



## ARTICULATION SETS CASE APART

Cui-de-sacs just got a lot easier. With our industry-exclusive front articulation design, CASE motor graders offer a tight 23' 9" turning radius for quick and accurate machine positioning. With front articulation, the operator maintains the center position while the gooseneck is articulated, allowing for greater visibility to the moldboard, circle, saddle and tires.







## INNER STRENGTHS.

### SEE THE CIRCLE, SADDLE, MOLDBOARD AND MORE

The rear-mounted cab of B Series motor graders, combined with floor-to-ceiling windows and heavy-duty breakaway side mirrors, gives operators superior vision of the moldboard, circle, saddle and tires. Even rearward, the sleek, sloping hood and rear defroster provide excellent visibility when reversing.



### 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.



### CREEP MODE: PUSH-BUTTON PRECISION

Activated with the push of a button, "Creep Mode" makes it so that only the front wheels are engaged, allowing the machine to move at extremely slow speeds – around 1 mph – for finish grading and where tolerances are critical.



### SHOCK-ABSORBING CIRCLE SAVERS

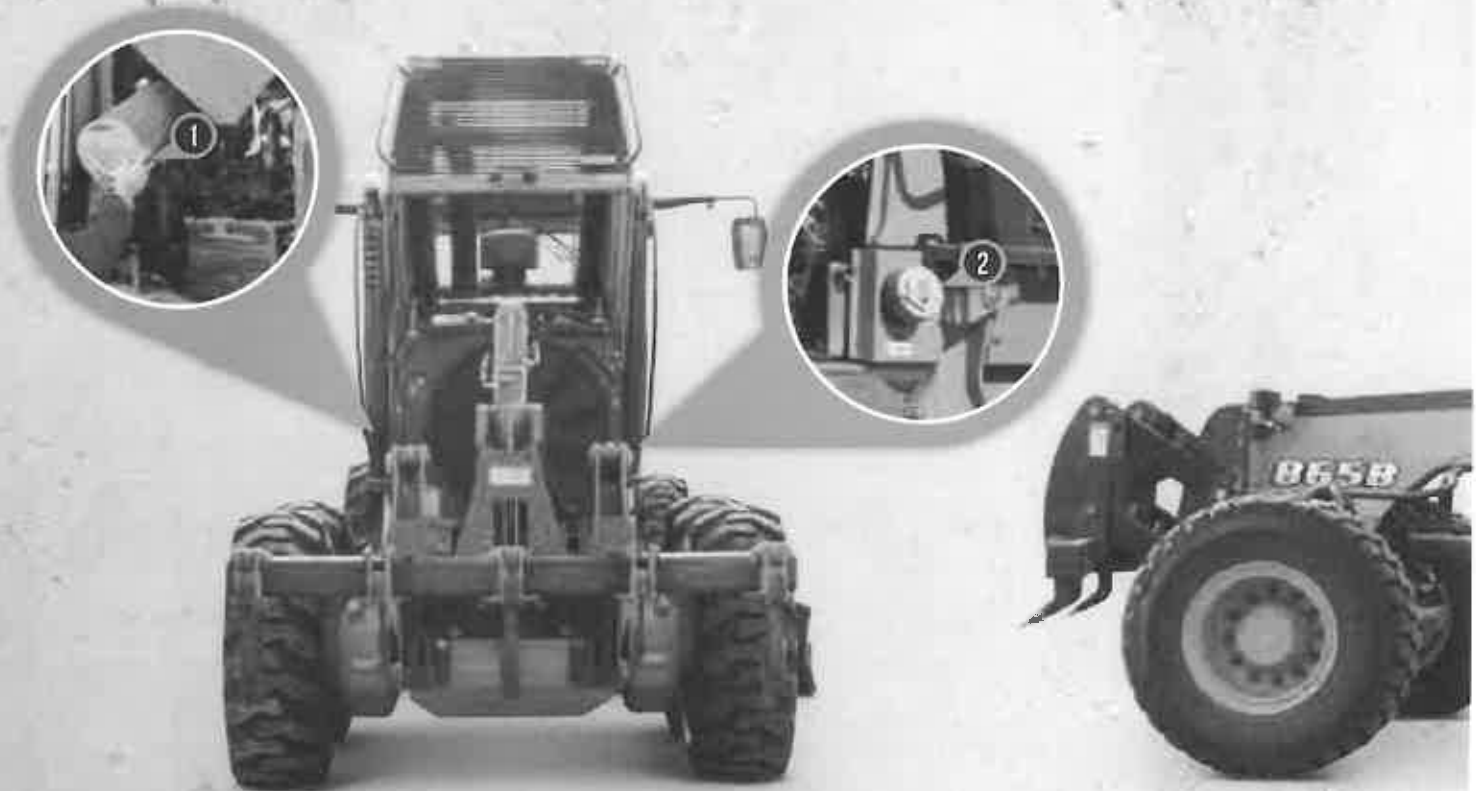
Optional anti-shock accumulators protect circle components by allowing the moldboard to move over obstructions and then return to its original position – no adjustment or operator intervention necessary.



# MAINTENANCE MADE EASY.

## SERVICEABILITY IS IN OUR DNA

When you invest in CASE equipment, you need it to last. We make it simple. CASE B Series motor graders are no exception. From a one-piece, flip-up hood and a reversible fan option that blows out cooler debris to ground-level site gauges and service points, you can do daily maintenance in a matter of minutes. It's the easiest way to help you get the most performance and longest life out of your machine.



### EASY ACCESS TO EVERYTHING

- |                          |                         |                    |
|--------------------------|-------------------------|--------------------|
| 1. Engine air filter     | 4. Hydraulic test ports | 7. Site gauges     |
| 2. Fuel fill             | 5. Grease zerks         | 8. Flip-up hood    |
| 3. External circle teeth | 6. Swing-out batteries  | 9. Oil-drain hoses |



SEE A 360° VIEW



CaseCE.com/360



**NO TOOLS NEEDED**

The B Series motor grader continues the CASE hallmark of simple serviceability with features like tool-free access to routine maintenance points.





# ProCare

## GO BIG. WE'VE GOT YOU COVERED.

CASE ProCare is the first all-in-one heavy machine support program that's as powerful as the equipment it protects. Best of all, ProCare comes standard on B Series motor graders and keeps you covered for up to three full years. It's the assurance growing businesses need to stay competitive, productive and profitable.

### Breakdown Assistance

Standard on all CASE equipment.

3K



**3-year/3000-hr.  
Full-Machine  
Factory Limited  
Warranty\***

We've got your back —  
for up to three full years!

**3-year/3000-hr.  
Planned  
Maintenance**

Don't spend a dime for  
CASE-certified scheduled  
care — fluids, filters and  
labor included.

**3-year Advanced  
SiteWatch™  
Subscription**

Telematics isn't a  
luxury; it's a necessity  
— and we've made it  
accessible to all.



**PARTS  
& SERVICE**

## 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 that quickly pinpoints machine issues to help maximize uptime.

\*See CNH Warranty and Limitation of Liability for complete terms and limits of warranty. ProCare is a factory-fit program available on select 2013 and later machines.



# ATTACHED TO STRENGTH.

CASE offers a variety of 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



**FRONT COUNTERWEIGHT**



**RIPPER**



**SCARIFIER**



**FRONT PUSH PLATE**



**FRONT DOZER BLADE**



# THE B SERIES MOTOR GRADERS



SPECIFICATIONS	845B	865B	865B AWD	885B	885B AWD
Engine	FPT F4HE9687W	FPT F4HE9687C	FPT F4HE9687C	FPT F4HE9687K	FPT F4HE9687K
Gross hp (kW) @2200 RPM	150/173 (112/129)	193/205/220 (144/153/164)	193/205/220 (144/153/164)	220/234 (164/175)	220/234 (164/175)
Emissions rating	Tier 3 Certified	Tier 3 Certified	Tier 3 Certified	Tier 3 Certified	Tier 3 Certified
Engine displacement - in. <sup>3</sup> (L)	409 (6.7)	409 (6.7)	409 (6.7)	409 (6.7)	409 (6.7)
Operating weight - lb. (kg)	31,812 (14,430)	33,797 (15,330)	35,274 (16,000)	39,771 (18,040)	42,198 (18,124)
Blade pressure - lb. (kg)	16,535 (7,500)	18,519 (8,400)	19,048 (8,640)	21,473 (9,740)	22,267 (10,100)
Maximum forward speed - mph (km/h)	27.3 (43.9)	27.8 (44.8)	27.8 (44.8)	27.8 (44.8)	27.8 (44.8)
Peak torque - lbs.-ft. (N-m)	486/560 (659/758)	612/649/686 (830/880/930)	612/649/686 (830/880/930)	682/726 (924/984)	682/726 (924/984)
FWD/REV gears	8/4	8/4	8/4	8/4	8/4
Total flow - gpm (L/min)	49 (186)	49 (186)	49 (186)	49 (186)	49 (186)
<b>DIMENSIONS</b>					
Moldboard length	12 ft. 0 in. (3,658 mm)	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)
Moldboard height	22.0 in. (559 mm)	23.6 in. (600 mm)	23.6 in. (600 mm)	23.6 in. (600 mm)	23.6 in. (600 mm)
Moldboard thickness	0.875 in. (22 mm)	0.875 in. (22 mm)	0.875 in. (22 mm)	0.875 in. (22 mm)	0.875 in. (22 mm)
Distance between outside edges of tires	8 ft. 2 in. (2,499 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)
Wheel tread	6 ft. 11 in. (2,106 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)
Height to top of low-profile cab	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)	10 ft. 4 in. (3,150 mm)
Tire radius - when static	2 ft. 0 in. (610 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)
Blade base	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)	8 ft. 5 in. (2,562 mm)
Distance between tandem axles	5 ft. 2 in. (1,572 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)
Distance between tandem center and wheel	2 ft. 7 in. (786 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)
Wheelbase	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)	20 ft. 5 in. (6,219 mm)
Overall length - without ripper or front attachment	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)	28 ft. 0 in. (8,534 mm)
Turning radius	23 ft. 9 in. (7,250 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**

Already in high gear with the arrival of founder J. I. Case's portable steam engine in 1869, we found ourselves at the heart of the road construction boom of the early 1900s. The path was set. Today CASE is a game changer in construction equipment, financing, parts and service.

Revolutionary is nothing new to CASE, as innovations like the integrated backhoe loader (1957), Ride Control™ over-center boom design and ProCare have shown. It's this ingenuity and spirit that fuels our ongoing pursuit of building industry-leading performance and productivity into every machine throughout our full line of light to heavy equipment.

All of this is backed by a portfolio of more than 10,000 OEM, REMAN and Gold Value parts, more than 350 North American dealer locations, and unmatched financial and insurance services that ensure the best support is always within reach. When all is said and done, our strength is only as solid as the machines we engineer, the support and service we give, and most importantly, the vote of confidence CASE customers have with every bit of it.



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.

To learn more about CASE or for attentive customer service, visit your nearest dealer, call 1-866-54-CASE6 or visit us online at [CaseCE.com](http://CaseCE.com)





**CaseCE.com**



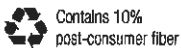
©2014 CNH Industrial America LLC. All rights reserved. CASE is a trademark registered in the United States and many other countries, owned by or licensed to CNH Industrial N.V., its subsidiaries or affiliates. CNH Industrial Capital is a trademark in the United States and many other countries, owned by or licensed to CNH Industrial N.V., its subsidiaries or affiliates. Printed in U.S.A.

Form No. CCE201404MG  
Replaces Form No. CCE201401MG



Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs and use any safety features provided.

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



IMPORTANT: CASE Construction Equipment Inc. reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Availability of some models and equipment builds vary according to the country in which the equipment is used. The Illustrations and text may include optional equipment and accessories and may not include all standard equipment. Your CASE dealer/distributor will be able to give you details of the products and their specifications available in your area.



CASE Construction Equipment is biodiesel-friendly.



**ENGINE - VHP**

Model	FPT F4HE9687C, Tier 3 certified Compliant w/ EPA regulations effective January 2011 Electronic control
Type	4-stroke, turbocharged and air to air cooled
Cylinders	6, in-line
Bore/Stroke	4.09 in x 5.17 in (104 mm x 132 mm)
Displacement	409 in <sup>3</sup> (6.7 L)
Fuel injection	Common rail
Fuel	Diesel
Cooling	Liquid
Horsepower @ 2200 RPM – SAE J1995:	
Gross	193/205/220 hp (144/153/164 kW)
Net	178/190/205 hp (133/142/153 kW)
Maximum torque @ 1500 RPM:	
	612/649/686 ft-lb (830/880/930 N-m)

**DRIVETRAIN**

Rear axle	Graziano, planetary
Differential	Hydraulic lock, operator controlled
Inboard brakes	Wet disc
Number of discs/brake	5
Brake surface area	2,225 in <sup>2</sup> (14 336 cm <sup>2</sup> )
Tandems:	
Type	Welded plate
Oscillation	20° each way
Front axle	High strength, welded steel
Oscillation	15.3° each direction
Wheel lean	20° left/right
Tires – standard	14.0 x 24 12PR TL G2 Firestone
Rims	1-piece 9 in x 24 in (227 mm x 610 mm)
Transmission type:	
	Direct drive countershaft powershift w/ electronic shift control and inching pedal
Pump flow @ 2200 RPM	29.5 gpm (112 L/min)
Sump	Integral
Speeds	8 forward/4 reverse
Shifting	Single lever, bump style automatic electronic control
Diagnostics	On-board

**DRIVETRAIN (cont.)**

<b>Speeds:</b>	
Forward:	mph (km/h)
1st	2.7 (4.3)
2nd	3.7 (6.0)
3rd	5.2 (8.4)
4th	7.3 (11.8)
5th	10.4 (16.7)
6th	14.4 (23.1)
7th	20.2 (32.5)
8th	27.8 (44.8)
Reverse:	mph (km/h)
1st	2.5 (4.0)
2nd	5.0 (8.0)
3rd	9.8 (15.8)
4th	19.3 (31.0)

**ELECTRICAL**

Voltage	24 Volts, negative ground
Alternator	90 amp
Batteries	(2) Low-maintenance 1010 CCA – 100 Ah (20 hr rate)
Work lights:	
	Headlights (2); Turn signals, front/rear; Stop/tail (2); Rear mounted floods (2); Front mounted floods (2).
Backup alarm	Standard

**OPERATOR ENVIRONMENT**

ROPS/FOPS cab – SAE J231, ISO 3449;  
Adjustable operator's console; Adjustable cloth  
suspension seat w/ 3 in (76 mm) retractable  
seat belt; Safety glass; Dome light; Inside  
rearview mirror; Outside rearview mirrors; Cup  
holder; Storage tray; 12-volt outlet; Radio ready  
– 12 Volt; Electrical master switch – automatic;  
Heater/defroster/pressurizer; Air conditioner;  
Sound suppression; Cab doors – left/right;  
Steps – left/right; Steering wheel;  
Windshield wiper – front; Windshield  
washer – front; Sunshade.

**OPERATING WEIGHT**

W/ 14 ft (4.27 m) moldboard, 17.5-25 tires, front counterweight, 175 lb (79 kg) operator and full fuel:	35,273 lb (16 000 kg)
Weight, front axle	11,133 lb (5050 kg)
Weight, rear axle	24,140 lb (10 950 kg)
Blade pressure	20,976 lb (9514 kg)

**HYDRAULICS**

System design	Closed center, load sensing
Hydraulic pump	Load sensing piston pump, variable displacement, pressure and flow compensated
Rated flow @ 2200 RPM	49 gpm (187 L/min)
Control valve	9 section
Side shift and pitch	Hydraulic
Saddle	5 positions
Diagnostic quick couplers	8

**SERVICE CAPACITIES**

Engine	4.4 gal (17.5 L)
w/ filter change	4.7 gal (18.5 L)
Fuel	90 gal (341 L)
Transmission	5.0 gal (23 L)
w/ filter change	6.6 gal (25 L)
Radiator	10.5 gal (40 L)
Hydraulic reservoir	<b>24 gal (90 L)</b>
Hydraulic system	50.2 gal (190 L)
Circle gearbox	0.75 gal (2.8 L)
Rear axle center	11.6 gal (44 L)
Total axle	11.6 gal (44 L)
Tandem case, each	18.4 gal (69 L)

**OTHER SPECIFICATIONS**

**Steering:**

Type	Hydrostatic power steering
Turns – lock-to-lock	4.75
Pump capacity @ 2200 engine RPM:	11.1 gpm (41.8 L/min)
Relief pressure	2200 psi (151 bar) Integral w/ priority valve
Cylinder (2):	2.0 in bore x 11.85 in stroke x 1.0 in rod dia. (50.8 mm x 301.0 mm x 25.4 mm)
Supplemental steering	Integral
<b>Articulation:</b>	
Type	Hydraulic actuated – w/ lock valve
Range	25° left/right
Controls	Hydraulic

## MAINFRAME

Type	All welded box
Front section:	
Size	10.0 in x 11.73 in (254 mm x 298 mm)
Weight – each side	124.7 lb-ft (172.8 kg/m)
Rear section:	
Size	4.75 in x 11.75 in (121 mm x 298 mm)
Weight – each side	55.6 lb-ft (84.0 kg/m)

## DRAWBAR

Type:	"A" frame welded construction with center mounted circle turn motor
Ball and circle	Shim adjustable

## MOLDBOARD

Type	High-carbon steel
Shape	Involute curve
Length	14 ft 0 in (4 267 mm)
Height	23.6 in (600 mm)
Thickness	0.875 in (22 mm)
End bits	2, interchangeable
Blade pitch positions:	
Normal pitch	47°
Minimum pitch	42°
Maximum pitch	87°
Blade shift:	
Right	27.0 in (686 mm)
Left	21.0 in (533 mm)
Max. bank cutting angle:	
Right	90°
Left	90°
Max. ground penetration	28 in (711.2 mm)
Max. lift above ground	17.5 in (444.5 mm)

## CIRCLE

Type	Welded construction
Diameter:	
Max. outside	69.0 in (1 752 mm)
Vertical member	63.0 in (1 600 mm)
Rotation	360°
Speed	1.2 rpm (7.2°/second)
Drive	
Type	Hydraulic motor
Displacement	Roller geroter 15.26 in <sup>3</sup> /Rev (0.25 L/Rev)
Rated hydraulic flow	19.8 gpm (75 L/min)

## ATTACHMENTS

### SCARIFIER

Type	Front mounted
Width of cut	46 in (1 168 mm)
Teeth	5
Optional	11
Tooth spacing	9.0 in (229 mm)
Optional	4.5 in (114 mm)
Lift above ground	20.75 in (527 mm)
Max. penetration	12.5 in (318 mm)
Weight	1,256 lb (570 kg)
Includes front attachment group	

### PUSH BLOCK

Type	Front mounted
Weight	1,084 lb (492 kg)

### REAR RIPPER

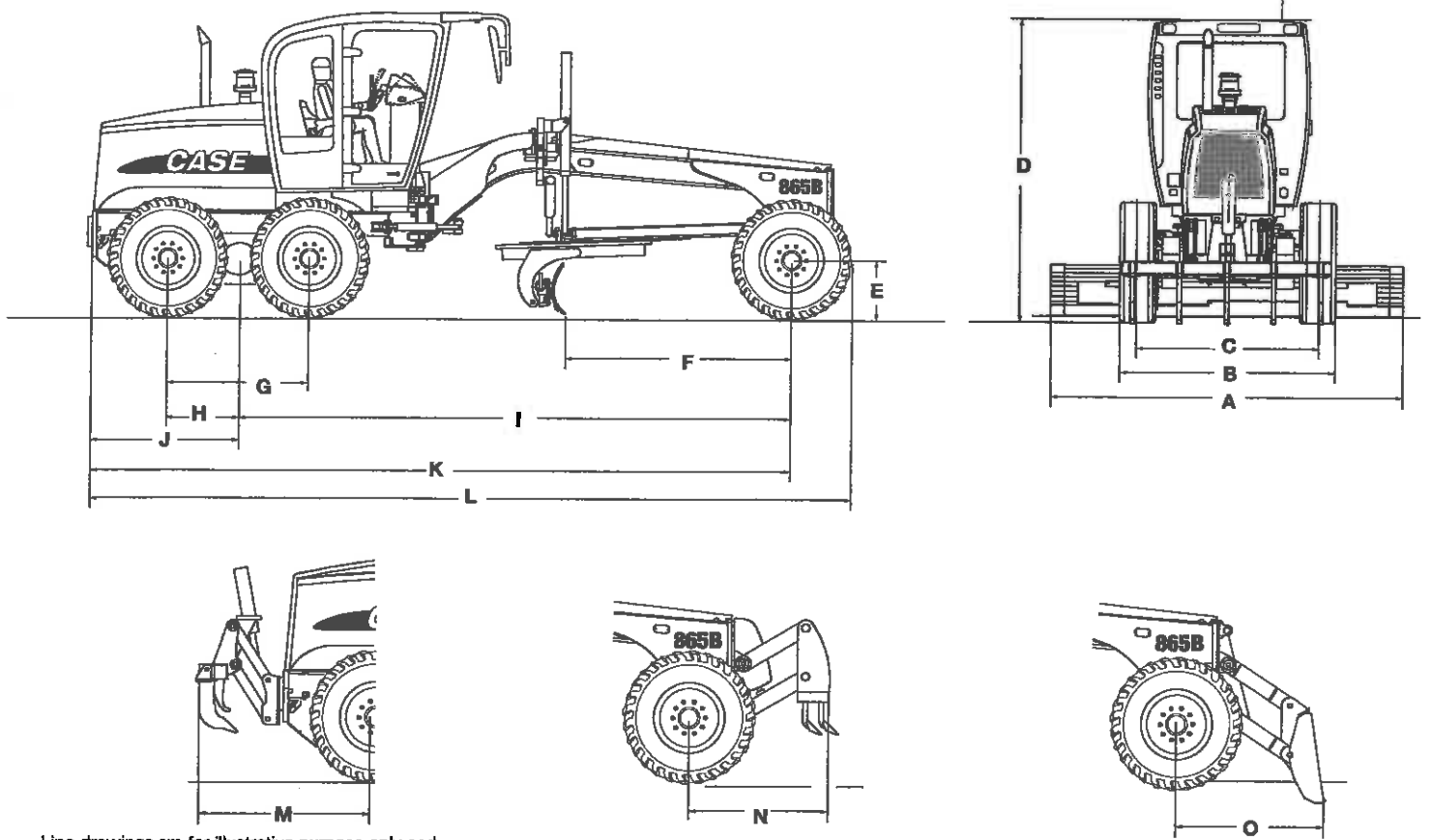
Type	Parallel
Ripper teeth	3
Optional	5
Scarifier teeth	5
Optional	9
Width of cut	92.13 in (2 340 mm)
Lift above ground:	
Ripper teeth	20.38 in (518 mm)
Scarifier teeth	27.67 in (703 mm)
Max. penetration:	
Ripper teeth	17.22 in (437 mm)
Scarifier teeth	9.43 in (252 mm)
Weight	1,874 lb (850 kg)

### DOZER BLADE

Type	Front mounted
Width	109 in (2 762 mm)
Height	37.5 in (953 mm)
Lift above ground	24.5 in (622 mm)
Penetration	6.5 in (165 mm)
Weight	2,568 lb (1 165 kg)
Includes front attachment group	

### COUNTERWEIGHT

Type	Front mounted
Weight	1,084 lb (492 kg)



Line drawings are for illustrative purpose only and may not be exact representation of unit.

## DIMENSIONS

	<b>865B AWD VHP</b>
<b>A.</b> Blade width	14 ft 0 in (3 962 mm)
<b>B.</b> Distance between outside edges of tires	8 ft 2 in (2 452 mm)
<b>C.</b> Wheel tread – rim 9 x 24 - one piece rim	6 ft 10 in (2 106 mm)
<b>D.</b> Height to top of cab – high profile	10 ft 11 in (3 340 mm)
<b>D.</b> Height to top of cab – low profile	10 ft 4 in (3 150 mm)
<b>E.</b> Tire radius – when static	2 ft 0 in (610 mm)
<b>F.</b> Blade base	8 ft 5 in (2 562 mm)
<b>G.</b> Distance between tandem axles	5 ft 2 in (1 594 mm)
<b>H.</b> Distance between tandem center and wheel	2 ft 7 in (797 mm)
<b>I.</b> Wheelbase	20 ft 5 in (6 219 mm)
<b>J.</b> Distance between tandem center and rear end of machine	5 ft 5 in (1 650 mm)
<b>K.</b> Distance between front axle and rear end of machine	25 ft 10 in (7 869 mm)
<b>L.</b> Overall length – without ripper or front attachment	28 ft 0 in (8 534 mm)
<b>M.</b> Distance between rear tires and rear ripper	6 ft 8 in (2 028 mm)
<b>N.</b> Distance between front tires and front scarifier	5 ft 0 in (1 520 mm)
<b>O.</b> Distance between front tires and front dozer blade	5 ft 4 in (1 626 mm)
Outside tire turning radius	23 ft 9 in (7 250 mm)
Ground clearance – rear axle	14.9 in (380 mm)
Ground clearance – front axle	24.5 in (622 mm)

NOTE: All units equipped with 14.0 x 24-10 PR tires, ROPS cab with heater and A/C, std. battery, full fuel, 175 lb (79 kg) operator. Specifications per ISO 7134.

## STANDARD EQUIPMENT

### OPERATOR ENVIRONMENT

See page 1

### ENGINE

FPT F4HE9687C turbocharged diesel  
Tier 3 certified  
Temperature controlled cooling fan  
Charge air cooler  
Air intake grid heater  
Common rail electronic fuel injection  
Hydraulic driven cooling fan  
Auto idle

### DRIVETRAIN

Hydraulic differential lock

### HYDRAULICS

Closed center, load sensing hydraulic system  
Controls for all functions  
9 section control valve  
Hydraulic moldboard side shift and pitch  
5-position saddle  
14 ft x 23.6 in (4267 x 600 mm) moldboard  
Moldboard Float Control  
8 hydraulic diagnostic quick couplers

### TIRES

14.0 x 24-12 PR

### INSTRUMENTS

#### Analog displays/Gauges:

Fuel level; Engine coolant temperature;  
Transmission oil temperature;  
Hydraulic oil temperature.

#### Monitor Functions:

Hour meter; Engine speed; Travel speed;  
Current gear selection; FNR indication;  
Clock; Trip computer; Fuel consumption;  
Fuel level percentage; Oil pressure;  
Coolant temperature; Engine oil  
temperature; Transmission oil temperature;  
Hydraulic oil temperature; Turbocharger air  
temperature; Differential lock indicator;  
Engine diagnostics; Transmission  
diagnostics; System voltage; Error reporting;  
Warning prompts; Indicator warning lamps –  
main warning, parking brake, low brake  
pressure, high beams, turn signals,  
hazard lights, low fuel.

### ELECTRICAL

(2) Heavy-duty batteries – 1010 CCA  
Electronic Systems Monitor  
Horn  
Alternator – 90 amp  
Backup alarm  
Headlights  
(2) Turn signals front  
(2) Tail lights with turn signals, brake lights  
Flood lights – cab mounted

### TELEMATICS

CASE SiteWatch™ Telematics – includes  
hardware and a 3-yr Advanced  
data subscription

## OPTIONAL EQUIPMENT

### MOLDBOARDS

12 ft x 22 in (3658 x 559 mm), involute curve  
13 ft x 23.6 in (4267 x 600 mm), involute curve  
Extensions – 2 ft (610 mm)  
Front Float Control  
Lift cylinder/side shift accumulators  
Lift cylinder accumulators

### OPERATOR ENVIRONMENT

High profile ROPS/FOPS cab  
Front windows openable with rear  
window defroster  
Lower front wiper/washers  
Rear windshield washer  
Air suspension seat  
Radio, AM/FM with CD player

### TIRES

13.0 x 24-12 PR  
14.0 x 24-10 PR  
14.0 x 24-12 PR  
14.0 x R24 XGLA radial  
14.0 x R24 Snoplus  
16.0 x 24-12 PR  
17.5 x 25-12 PR  
17.5 x 25-16 PR  
17.5 x R25 XTLA radial  
17.5 x R25 Snoplus

### ELECTRICAL

(2) Front mounted working lights  
(2) Floodlights at moldboard  
(2) Floodlights at articulation  
Snow plow lighting package

### OTHER

Bidirectional engine cooling fan  
Cold weather package  
Fire extinguisher  
Strobe light  
Tool box – without tools  
Deluxe tool box – with tools  
Tire inflator kit  
Spare wheel  
Spare wheel support  
Slow moving vehicle sign  
Rear pull hook

### ATTACHMENTS

Front pull hook  
Front counterweight  
Front dozer blade  
Front scarifier  
Front push plate  
Front support and lift cylinder  
Rear ripper



NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

NOTE: All engines are compliant with current EPA emissions requirements.

IMPORTANT: Case Construction Equipment Inc. reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Case Construction Equipment Inc. does not warrant the safety or reliability of attachments from other manufacturers.

CASE is a trademark registered in the United States and many other countries, owned by or licensed to CNH Industrial N.V., its subsidiaries or affiliates. CNH Industrial Capital is a trademark in the United States and many other countries, owned by or licensed to CNH Industrial N.V., its subsidiaries or affiliates.

Form No. CCE201503865BAWD  
Replaces form no. CCE201406865BAWD

Printed in U.S.A.  
865B AWD VHP • Page 4 of 4



All Case construction equipment is biodiesel ready.



[www.casece.com](http://www.casece.com)

© 2015 CNH Industrial America LLC  
All Rights Reserved

State of West Virginia

VENDOR PREFERENCE CERTIFICATE

Certification and application\* is hereby made for Preference in accordance with West Virginia Code, §5A-3-37. (Does not apply to construction contracts). West Virginia Code, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the West Virginia Code. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Vendor Preference, if applicable.

- 1. Application is made for 2.5% vendor preference for the reason checked: Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or, Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or, Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,
2. Application is made for 2.5% vendor preference for the reason checked: Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
3. Application is made for 2.5% vendor preference for the reason checked: Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
4. Application is made for 5% vendor preference for the reason checked: Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,
5. Application is made for 3.5% vendor preference who is a veteran for the reason checked: Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,
6. Application is made for 3.5% vendor preference who is a veteran for the reason checked: Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.
7. Application is made for preference as a non-resident small, women- and minority-owned business, in accordance with West Virginia Code §5A-3-59 and West Virginia Code of State Rules. Bidder has been or expects to be approved prior to contract award by the Purchasing Division as a certified small, women- and minority-owned business.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: STATE EQUIPMENT, INC.

Signed: [Signature]

Date: 5/20/15

Title: GENERAL MANAGER

STATE OF WEST VIRGINIA  
Purchasing Division

**PURCHASING AFFIDAVIT**

**MANDATE:** Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

**EXCEPTION:** The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

**DEFINITIONS:**

**"Debt"** means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

**"Employer default"** means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

**"Related party"** means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

**AFFIRMATION:** By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: STATE EQUIPMENT, INC.

Authorized Signature:  Date: 5/21/15

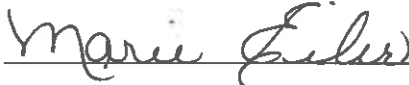
State of WEST VIRGINIA

County of KANAWHA, to-wit:

Taken, subscribed, and sworn to before me this 21<sup>st</sup> day of May, 2015.

My Commission expires March 27, 2021

AFFIX SEAL HERE

NOTARY PUBLIC 

*Purchasing Affidavit (Revised 07/01/2012)*

