



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
709EC006

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
MICHAEL AUSTIN
304-558-2402

RFQ COPY

TYPE NAME/ADDRESS HERE
Cecil I. Walker Machinery Co.
PO Box 2427
Charleston WV 25329
**709035731*

DIVISION OF HIGHWAYS
 EQUIPMENT DIVISION
 ROUTE 33
 BRUSHY FORK ROAD
 BUCKHANNON, WV
 26201
 304-472-1750

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
09/23/2008				

BID OPENING DATE: **10/22/2008** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	EA		968-39	\$112,180.00	each
<p>HYDRAULIC TRACK EXCAVATOR</p> <p>OPEN END CONTRACT</p> <p>TO PROVIDE HYDRAULIC TRACK EXCAVATOR FOR THE WEST VIRGINIA DIVISION OF HIGHWAYS PER THE ATTACHED SPECIFICATIONS.</p> <p>THERE WILL BE A MANDATORY PRE-BID CONFERENCE AT THE EQUIPMENT DIVISION IN BUCKHANNON, WEST VIRGINIA AT 10:00 AM ON 10/09/2008. FAILURE TO ATTEND THE PRE-BID WILL RESULT IN BID DISQUALIFICATION.</p> <p>QUESTIONS: WRITTEN QUESTIONS MUST BE RECEIVED BY CLOSE OF BUSINESS (5:00 PM EST.) ON FRIDAY, 10/03/08. SEND YOUR QUESTIONS TO: PURCHASING DIVISION ATTENTION MICHAEL AUSTIN 2019 WASHINGTON STREET EAST CHARLESTON, WV 25305</p> <p>QUESTIONS MAY BE SENT VIA FAX, E-MAIL OR REGULAR MAIL. E-MAIL: MICHAEL.D.AUSTIN@WV.GOV FAX: 304-558-4115</p> <p>IT IS THE VENDORS RESPONSIBILITY TO VERIFY THAT THEIR QUESTIONS HAVE BEEN RECEIVED BY CALLING 304-558-2402.</p> <p>EXHIBIT 2</p> <p>LIFE OF CONTRACT: THIS CONTRACT BECOMES EFFECTIVE ON AND EXTENDS FOR A PERIOD OF ONE (1)</p>						
<p>Caterpillar 314 D LCR</p>						

RECEIVED

2008 NOV 12 A 8:23

PURCHASING DIVISION
 STATE OF WV

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>CEB</i>	TELEPHONE 304-389-4190	DATE 11/10/08
TITLE Sales Representative	FEIN 550 352 647	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

314D CR/314D LCR Hydraulic Excavator

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

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AEHQ5955 (06-2008)

Replaces AEHQ5470-01

Materials and specifications are subject to change without notice. Featured machines in may include additional equipment. See your Caterpillar dealer for available options.

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GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

1. Awards will be made in the best interest of the State of West Virginia
2. The State may accept or reject in part, or in whole, any bid.
3. All quotations are governed by the *West Virginia Code* and the *Legislative Rules* of the Purchasing Division
4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
5. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
6. Payment may only be made after the delivery and acceptance of goods or services
7. Interest may be paid for late payment in accordance with the *West Virginia Code*
8. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes
10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, this Contract may be deemed null and void, and terminated without further order.
14. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
15. **WEST VIRGINIA ALCOHOL & DRUG-FREE WORKPLACE ACT:** If this Contract constitutes a public improvement construction contract as set forth in Article 1D, Chapter 21 of the West Virginia Code ("The West Virginia Alcohol and Drug-Free Workplace Act"), then the following language shall hereby become part of this Contract: "The contractor and its subcontractors shall implement and maintain a written drug-free workplace policy in compliance with the West Virginia Alcohol and Drug-Free Workplace Act, as set forth in Article 1D, Chapter 21 of the West Virginia Code. The contractor and its subcontractors shall provide a sworn statement in writing, under the penalties of perjury, that they maintain a valid drug-free work place policy in compliance with the West Virginia and Drug-Free Workplace Act. It is understood and agreed that this Contract shall be cancelled by the awarding authority if the Contractor: 1) Fails to implement its drug-free workplace policy; 2) Fails to provide information regarding implementation of the contractor's drug-free workplace policy at the request of the public authority; or 3) Provides to the public authority false information regarding the contractor's drug-free workplace policy "

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division.
2. **SPECIFICATIONS:** Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications
3. Complete all sections of the quotation form.
4. Unit prices shall prevail in case of discrepancy.
5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
6. **BID SUBMISSION:** All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130



State of West Virginia
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DIVISION OF HIGHWAYS
 EQUIPMENT DIVISION
 ROUTE 33
 BRUSHY FORK ROAD
 BUCKHANNON, WV
 26201 304-472-1750

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
09/23/2008				

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<p>YEAR OR UNTIL SUCH "REASONABLE TIME" THEREAFTER AS IS NECESSARY TO OBTAIN A NEW CONTRACT OR RENEW THE ORIGINAL CONTRACT. THE "REASONABLE TIME" PERIOD SHALL NOT EXCEED TWELVE (12) MONTHS. DURING THIS "REASONABLE TIME" THE VENDOR MAY TERMINATE THIS CONTRACT FOR ANY REASON UPON GIVING THE DIRECTOR OF PURCHASING THIRTY (30) DAYS WRITTEN NOTICE.</p> <p>UNLESS SPECIFIC PROVISIONS ARE STIPULATED IN THIS CONTRACT DOCUMENT, THE TERMS, CONDITIONS, AND PRICING SET HEREIN ARE FIRM FOR THE LIFE OF THE CONTRACT.</p> <p>RENEWAL: THIS CONTRACT MAY BE RENEWED UPON THE MUTUAL WRITTEN CONSENT OF THE SPENDING UNIT AND VENDOR, SUBMITTED TO THE DIRECTOR OF PURCHASING THIRTY (30) DAYS PRIOR TO THE EXPIRATION DATE. SUCH RENEWAL SHALL BE IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THE ORIGINAL CONTRACT AND SHALL BE LIMITED TO TWO (2) ONE (1) YEAR PERIODS.</p> <p>CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE COMMODITIES AND/OR SERVICES SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM WITH THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.</p> <p>OPEN MARKET CLAUSE: THE DIRECTOR OF PURCHASING MAY AUTHORIZE A SPENDING UNIT TO PURCHASE ON THE OPEN MARKET, WITHOUT THE FILING OF A REQUISITION OR COST ESTIMATE, ITEMS SPECIFIED ON THIS CONTRACT FOR IMMEDIATE DELIVERY IN EMERGENCIES DUE TO UNFORESEEN CAUSES (INCLUDING BUT NOT LIMITED TO DELAYS IN TRANSPORTATION OR AN UNANTICIPATED INCREASE IN THE VOLUME OF WORK).</p> <p>QUANTITIES: QUANTITIES LISTED IN THE REQUISITION ARE APPROXIMATIONS ONLY, BASED ON ESTIMATES SUPPLIES BY TH</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
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WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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3

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PURCHASING

RFQ COPY
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SHIP TO

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 EQUIPMENT DIVISION
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<p>STATE SPENDING UNIT. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACT SHALL COVER THE QUANTITIES ACTUALLY ORDERED FOR DELIVERY DURING THE TERM OF CONTRACT, WHETHER MORE OR LESS THAN THE QUANTITIES SHOWN.</p> <p>ORDERING PROCEDURE: SPENDING UNIT(S) SHALL ISSUE A WRITTEN EQUIPMENT CONTRACT ORDER (FORM NUMBER WV-35) FOR COMMODITIES COVERED BY THIS CONTRACT. THE ORIGINAL WV-35 MUST BE SENT TO THE PURCHASING DIVISION OF THE DEPARTMENT OF ADMINISTRATION. AFTER APPROVAL AND ENCUMBRANCE, ONE COPY OF THE PURCHASE ORDER WILL BE RETURNED TO THE SPENDING UNIT AND ONE COPY FORWARDED TO THE VENDOR AS AUTHORIZATION FOR SHIPMENT. NO ORDER IS VALID UNLESS APPROVED AND ENCUMBERED BY THE PURCHASING DIVISION.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATICALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER ORDER.</p> <p>REV. 9/98</p> <p>EXHIBIT 4</p> <p>LOCAL GOVERNMENT BODIES: UNLESS THE VENDOR INDICATES IN THE BID HIS REFUSAL TO EXTEND THE PRICES, TERMS, AND CONDITIONS OF THE BID TO COUNTY, SCHOOL, MUNICIPAL AND OTHER LOCAL GOVERNMENT BODIES, THE BID SHALL EXTEND TO POLITICAL SUBDIVISIONS OF THE STATE OF WEST VIRGINIA. IF THE VENDOR DOES NOT WISH TO EXTEND THE PRICES, TERMS, AND CONDITIONS OF THE BID TO ALL POLITICAL SUBDIVISIONS OF THE STATE, THE VENDOR MUST CLEARLY INDICATE SUCH REFUSAL IN HIS BID. SUCH REFUSAL SHALL NOT PREJUDICE THE AWARD OF THIS CONTRACT IN ANY</p>						

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PURCHASER

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	MANNER. REV. 3/88 EXHIBIT 6					
	<p>PRICE ADJUSTMENT PROVISION: THE STATE OF WEST VIRGINIA WILL CONSIDER BIDS THAT CONTAIN PROVISIONS FOR PRICE ADJUSTMENTS PRIOR TO THE ORIGINAL EXPIRATION OF THE CONTRACT, PROVIDED THAT SUCH PRICE ADJUSTMENT COVERS BOTH UPWARD AND DOWNWARD MOVEMENT OF THE COMMODITY PRICE, AND THAT ADJUSTMENT IS BASED ON THE "PASS THROUGH" INCREASE OR DECREASE OF RAW MATERIALS AND/OR LABOR, WHICH MAKE UP ALL OR A SUBSTANTIAL PART OF A PRODUCT. ADJUSTMENTS ARE TO BE BASED UPON AN ACTUAL DOLLAR FIGURE, NOT A PERCENTAGE. ALL PRICE ADJUSTMENT REQUESTS MUST BE SUBSTANTIATED IN A MANNER ACCEPTABLE TO THE DIRECTOR PURCHASING, E.G. GOVERNMENTAL BENCH MARKS, GENERAL MARKET INCREASE, PUBLISHED PRICE LISTS. SUCH REQUESTS FOR AND INCREASE SHOULD BE RECEIVED IN WRITING BY THE DIRECTOR OF PURCHASING AT LEAST 30 DAYS IN ADVANCE OF THE EFFECTIVE DATE OF THE INCREASE. ANY TIME THE VENDOR REQUESTS A PRICE ADJUSTMENT, THE PURCHASING DIVISION MAY EITHER ACCEPT THE PRICE ADJUSTMENT AND AMEND THE CONTRACT ACCORDINGLY OR REJECT THE ADJUSTMENT IN ITS ENTIRETY AND CANCEL THE CONTRACT.</p>					
	EXHIBIT 10					
	ADDENDUM ACKNOWLEDGEMENT			REQUISITION NO.:		

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VENDOR

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<p>I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.</p> <p>ADDENDUM NO.'S:</p> <p>NO. 1 ✓</p> <p>NO. 2 ✓</p> <p>NO. 3 ✓</p> <p>NO. 4</p> <p>NO. 5</p> <p>I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF TH ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.</p> <p>VENDOR MUST CLEARLY 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.</p> <p>..... SIGNATURE <i>Cecil I. Walker Machinery Co.</i> COMPANY 11/10/08 DATE</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS		
SIGNATURE <i>CER</i>	TELEPHONE 304-389-4190	DATE 11/10/08
TITLE Sales Representative	FEIN 550-352-647	ADDRESS CHANGES TO BE NOTED ABOVE

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304-558-2402

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DIVISION OF HIGHWAYS
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LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
CONTACT PERSON (PLEASE PRINT CLEARLY):						
----- Eric Ramey -----						
***** THIS IS THE END OF RFQ 709EC006 ***** TOTAL:						<u>\$112,180.00</u>
						Each

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE 304-389-4190	DATE 11/10/08
TITLE Sales Representative	FEIN 550352647	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
EQUIPMENT DIVISION

PROCUREMENT SPECIFICATIONS
NO. 310-1-D

HYDRAULIC TRACK EXCAVATOR

1.0 PURPOSE

It is the purpose of these specifications to describe a Hydraulic Track Excavator (hereinafter referred to as an "excavator" or a "unit") to be purchased for use by the West Virginia Division of Highways (DOH) on an Open End Contract basis.

2.0 BIDDING PROCEDURES

The current purchasing procedures regarding bidding as established by the Department of Administration, Purchasing Division, shall apply. Failure to submit the "Request for Quotation" forms, complete in its entirety and according to directions indicated, may subject the bidder to disqualification. **Each bid submitted shall also be accompanied by a Bidder's Evaluation Report completed in detail.** Addendums in order, along with exception sheets, should be with Bidder's Evaluation Report. **FAILURE TO SUBMIT THE BIDDER'S EVALUATION REPORT, COMPLETE IN ITS ENTIRETY, MAY RESULT IN AUTOMATIC DISQUALIFICATION.**

3.0 SPECIFICATIONS

The specifications named herein, mandatory and non-mandatory, establish the acceptable level of quality only and are not intended to reflect a preference or favor any particular brand or vendor.

3.1 EXCEPTIONS TO NON-MANDATORY SPECIFICATIONS

Exception to a non-mandatory unit specification may be made by the bidder, providing the exception is not available from the manufacturer. **Any such exception must be noted on the bidder's evaluation report and should be accompanied by supporting documentation/literature from the manufacturer. Any exception must be indicated on a separate attachment to the bidder's evaluation report and labeled as "Exception to Specifications".** The state reserves the right to determine whether the stated exception does or does not reduce the quality and performance of the unit. Failure to provide information for any exceptions may be grounds for rejection of the bid. The state reserves the right to waive minor irregularities in bids or specifications in accordance with §148-1-4(f) of the WV Legislative Rules and Regulations.

3.2 MANDATORY SPECIFICATIONS

All specifications preceded by "shall, will, and/or must" or are stated as a "minimum and/or maximum" are mandatory as stated in Purchasing Divisions Policies and Procedures. Any bid failing to meet any mandatory item shall be immediately disqualified. Failure to respond in the appropriate evaluation section may also be grounds for immediate disqualification at the discretion of the State.

A mandatory pre-bid conference is scheduled for this equipment purchase as stated in the RFQ. Vendors having products with variations or exceptions in specified mandatory items are expected to address any such variations or exceptions during the pre-bid conference. **The State shall review and consider any such variation or exception, and may at its sole discretion, issue an addendum to change mandatory specifications deemed to be in the State's best interest. Bids from any vendor failing to attend the mandatory pre-bid shall be disqualified. Bids containing any variation or exception to a mandatory specification that was not addressed during the pre-bid conference and accepted by the issuance of an Addendum shall be disqualified.**

4.0 REPRESENTATIVE UNIT FOR TEST

The successful vendor must (if specified) provide DOH one (1) completed representative unit to be observed and evaluated on each order to insure compliance with specification. If requested, the time period for testing and evaluation shall be seven (7) working days following receipt of the unit. DOH will incur no obligation for deterioration of surfaces, finishes, seals, and mechanical or electrical parts on the unit resulting from operation and testing within the limits of these specifications; nor will DOH incur obligation for damage to the unit resulting from failure to meet specifications when due care and attention is given by DOH and testing is done within the limits of these specifications. Failure of the pilot unit to satisfactorily meet specifications as bid shall be cause for cancellation of the purchase order, and return of the delivered unit along with all associated equipment to the vendor at the vendor's expense.

4.1 CONDITION OF UNIT(S) UPON DELIVERY

All units must arrive at the prescribed delivery point having been completely preserviced with oil, lubricants, and coolant. All prescribed precautions pertaining to first operations and break-in of the unit are to be posted conspicuously on the unit for ready observance by the operator.

4.2 DELIVERY

Delivery point of the completely assembled representative unit will be the DOH, Equipment Division, Route 33 at Brushy Fork Road, Buckhannon, West Virginia (26201).

The vendor is responsible for guaranteeing delivery of the completed units within the time specified and agreed to by the State. Delivery is preferred within 90 days after receipt of purchase agreement. The vendor is responsible for establishing and coordinating delivery terms with allied manufacturers or suppliers. **Delivery terms shall be stated in the bid and the State reserves the right to accept or negotiate such terms.** Failure to reach an agreement may result in rejection of the bid. **The successful bidder shall provide their manufacturer's confirmation of the order to the WVDOH contact person within seven (7) working days after receiving the approved purchase order.**

A completed pilot model for inspection must be provided within 30 calendar days after receipt of the purchase agreement by the successful vendor.

Delivery is an integral part of this specification and failure to comply will be cause to initiate a D.O.I. Administrative Form WV-82, Vendor Performance Form. The WV-82 Form will provide a means of officially notifying the Purchasing Division and the vendor of unsatisfactory performance; such as late deliveries, poor service, inadequate parts supplies, etc.

The decision to initiate subject Form will be at the sole discretion of the D.O.H. Commissioner's established Equipment Review Board.

Issuance of the WV-82 Vendor Complaint Form on unsatisfactory delivery against any vendor will be cause to refuse to consider similar items from those vendors on future Request For Quotations.

(NOTE: Delivery time could be altered due to labor strikes, severe inclement weather conditions, etc.)

5.0 AWARD CRITERIA

- 5.1 DOH will recommend the award in accordance with the RFQ evaluation criteria described in the requisition. **The award shall be made to the lowest unit cost vendor that meets or exceeds the specifications.**

Prices for the units shall be in quantities of 1-10, 11-20, 21 and over. However, for evaluation purposes, we will use quantities 1-10. DOH reserves the right to place multiple orders in any quantity.

6.0 SPECIFICATIONS AND GUIDELINES - GENERAL

6.1 IDENTIFICATION OF THE UNIT BEING PROPOSED

The bidder must identify the unit by manufacturer, model, series, and year of manufacture, in the bid to enable identification by DOH in the manufacturer's

specifications of the proposed unit. The bidder will submit complete descriptive literature of the proposed unit, to establish that the bid is the manufacturer's most current model, including latest engineering improvements, which have been, or will imminently be, regularly advertised and sold on the open market. The unit specified herein and offered to be manufactured after January 1, 2008 and be clearly identified and marked with date of manufacture.

6.2 OPERATING AND SERVICE MANUALS AND PARTS LISTS

An operator's manual must be included with each unit upon delivery. A "line sheet" (if applicable) and Equipment Preventative Maintenance Questionnaire (as shown in X6.2 of the Bidder's Evaluation Report) must be with pilot unit upon delivery. In addition, there must be 12 service, shop, or maintenance manuals; ten (10) to be distributed to the Districts and two (2) for the Equipment Division. Also, there must be 14 parts manuals; ten (10) to be distributed to the Districts and four (4) for Equipment Division use. CD ROM is preferred in lieu of parts manuals.

* **NOTE: MANUALS SHALL BE DELIVERED UPON COMPLETION OF DELIVERY OF TOTAL UNITS. FAILURE TO DO SO WILL DELAY PAYMENT.**

6.3 TRAINING:

Manufacturers and/or dealers will be required to stage a thorough seminar on the subjects of Preventative Maintenance, Operator and Mechanic Training. **In order to keep the operators and mechanics updated, the successful vendor shall conduct training with each purchase order against this open end contract.** Training is preferred within 2 working days after delivery of the pilot unit on the individual purchase order.

Manufacturers and/or dealers shall be required to furnish the Training Academy with one (1) Operator's Manual to be shipped direct to WVDOH Training Academy, Post Office Box 610, Buckhannon, West Virginia 26201 prior to delivery of the pilot.

The seminar to be held at the W. Va. Division of Highways, Equipment Division, Buckhannon, West Virginia.

6.4 PREVENTIVE MAINTENANCE AND OPERATOR PROCEDURES:

Manufacturers and/or dealers will be required to submit to the Equipment Division, in addition to the operating and service manuals, booklets and pamphlets explaining the Preventive Maintenance and Operator Procedures to be used by the operators of this equipment, and must include such things as daily prestart inspection procedure, service schedule, and routine maintenance required, safety precautions, etc.

The successful vendor shall furnish all training aids; i.e., videos, projectors, etc. required in conducting the training.

6.5 WARRANTY AND SERVICE POLICY

The Manufacturers warranty or service policy is to apply to the unit. Such warranty or service policy is to be recognized at any authorized unit dealer, representing manufacturer of proposed unit throughout the State of West Virginia. The applicable warranty or service policy will not be contingent upon obtaining routine service, lubrication, and servicing of the unit from factory authorized agencies. It will be the responsibility of the bidder to have available labor to repair or replace any defective replacement parts, components and materials, and to have available those replacement parts, components, and/or materials found to be defective during the terms of the warranty period. The bidder should state the labor rates, locations where parts will be stocked, availability of parts, and discounts offered for parts, when terms of the warranty offer a pro-rated cost for parts and labor. In addition, the successful bidder should offer field work to repair or replace defective parts, components, and materials found to be defective during the terms of the warranty and should provide mechanic's travel rates, mileage charges, field mechanic rates, and any surcharge for miscellaneous items, if applicable, for field work during the warranty period. Submit to Division of Highways any technical or engineering improvements during the term of the warranty. **The unit must be accompanied upon delivery by the unit's manufacturer's executed warranty or service policy.**

A mandatory minimum two (2) year bumper to bumper basic parts and labor warranty excluding abuse and normal wear items is required for this unit

THE "WARRANTY AND SERVICE POLICY QUESTIONNAIRE" ATTACHED IN THE BIDDER'S EVALUATION REPORT MUST BE COMPLETED IN ITS ENTIRETY BY THE SUCCESSFUL BIDDER OR MANUFACTURER PRIOR TO DELIVERY OF THE PILOT MODEL. (SEE SECTION X6.5 OF BIDDER'S EVALUATION REPORT).

6.6 EVALUATION COMMITTEE REQUIREMENTS

Detailed component specifications, product literature, component models, required for specification compliance determination by the Evaluation Committee should be provided with each bid. Any information supplied that is contrary to/or conflicting with the specifications and/or attached Bidders Evaluation Report may be sufficient cause for rejection of bid.

6.7 UNSPECIFIED ACCESSORIES & FEATURES

All parts, equipment, accessories, material, design and performance characteristics not specified herein, but which are necessary to provide a complete unit, must be furnished with each unit and required to conform to strength, quality of material,

and quality of workmanship to those which are advertised and provided to the market in general by the unit industry.

All parts and accessories advertised and regularly supplied as standard shall be included, except those which would represent duplication of these specified, and except those which, by specification, are not to be furnished. All standard safety features, required by Federal and State Law, shall be included.

7.0 SPECIFICATIONS OF THE QUOTED UNIT ARE AS FOLLOWS:

Shall be Kobelco SK135SR or equal

7.1 **Operating weight shall be no less than 28,000 pounds and not more than 32,291 pounds.**

7.2 Engine:

7.2.1 **Engine will be 84 horsepower minimum.**

7.2.2 Engine should be turbocharged diesel.

7.2.3 Pressurized liquid cooling system with thermostat, filled with manufacturers approved extended life permanent type anti-freeze that provides freeze protection to at least -30 degrees F.

7.2.4 Air cleaner, double element with auto dust evacuation.

7.2.5 **Fuel filtering system shall be manufacturer's heaviest duty available.**

7.2.6 Dust proof net for radiator and oil cooler should be provided.

7.2.7 **Manufacturer's heaviest duty electrical system shall be provided.**

7.3 Hydraulic System:

7.3.1 Hydraulic system to maintain manufacturers recommended safe oil temperature within recommended operating range during continuous operation under maximum working combinations.

7.3.2 System to have manufacturer's heaviest variable capacity piston type pumps with load sensing for maximum efficiency.

7.3.3 Boom length should be no less than 15 feet and controlled by two (2) hydraulic cylinders.

- 7.3.4 Arm length should be no less than 8 feet and controlled by one (1) hydraulic cylinder and equipped with multi function hydraulics with piping to the end of arm with foot controls.
- 7.3.5 Shut off valve at end of piping.
- 7.3.5.1 **Unit shall be equipped with a hydraulic thumb approximately 18 inches x 46 inches.**
- 7.3.5.2 Tine thickness of thumb to be 1 inch with a pin diameter of approximately 2 inches.
- 7.3.6 Bucket to be approximately 0.60 cubic yard capacity, **shall be with teeth and side cutters and controlled by one (1) hydraulic cylinder.**
- 7.3.7 **Drive shall be hydrostatic design with independent track control.**
- 7.3.8 Wet multiple disk brakes that automatically release while propelling and apply when stationary.
- 7.3.9 **Unit swing shall be capable of 360 degrees.**
- 7.3.10 Swing speed should be approximately 10 R.P.M.
- 7.3.11 **Swing brake shall be SAHR for safety.**
- 7.3.12 **Unit shall be joystick controlled with one (1) additional actuator for auxiliary hydraulics.**
- 7.4 Undercarriage:
 - 7.4.1 **Undercarriage frame shall be manufacturers standard for model bid.**
 - 7.4.2 **Unit shall have sealed type track.**
 - 7.4.3 **A minimum of one (1) top carrier roller each side for proper track support.**
 - 7.4.4 **Track guides shall be provided to prevent track misalignment.**
 - 7.4.5 **Track adjustment shall be of hydraulic design.**
 - 7.4.6 Manufacturers triple grouser shoes.
 - 7.4.7 Track length approximately 11 feet 6 inches.

- 7.4.8 **Maximum tail swing 4.82 feet including manufacturers needed weight(s)**
- 7.5 Cab:
- 7.5.1 **Cab shall be all weather steel isolation mounted.**
- 7.5.2 **Unit will have a deep cushioned fully adjustable seat with padded arm rests.**
- 7.5.3 **Cab shall be equipped manufacturers heater and air condition system.**
- 7.5.4 **Cold weather starting aid shall be provided.**
- 7.5.5 Cab equipped with front windshield wiper and washer, intermittent features.
- 7.5.6 **Manufacturers vandalism protection package shall be provided.**
- 7.5.7 Interior cab light.
- 7.5.8 Work lights at boom and cab for sufficient night shift operations.
- 7.5.9 Tinted safety glass at all locations.
- 7.5.10 AM and FM radio with antenna.
- 7.6 Paint:
- 7.6.1 **Unit will be painted manufacturers standard color.**
- 7.6.2 Manufacturers standard plant painting procedures for cleaning, degreasing, preparing, priming and painting are sufficient to meet the requirements for painting unit.
- 7.7 **Vendor must certify that unit offered will meet or exceed the "Occupational Safety and Health Act or 1970" and subsequent amendments.**
- 7.8 Advertising: No visible decals or name plates or painted on names representing the manufacturer or model number or trademark should appear on the exterior surface of the unit. Such logos created through the stamping or casting process of manufacture are accepted.

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
EQUIPMENT DIVISION

BIDDER'S EVALUATION REPORT

PROCUREMENT SPECIFICATIONS FOR OPEN END CONTRACT
NO. 310-1-D

HYDRAULIC TRACK EXCAVATOR

NOTE TO BIDDER: Procurement Specification No. 310-1-D, Paragraph 2.0 recommends the completion and submittal of this Report with your bid. Purpose of this Report is to enable the West Virginia Division of Highways Evaluation Committee to make full and fair evaluation of the bid. Addendums in order, along with a summary of exception as a separate attachment, should be with Bidder's Evaluation Report.
FAILURE TO SUBMIT THIS REPORT, COMPLETE IN ITS ENTIRETY, MAY SUBJECT THE BIDDER TO DISQUALIFICATION.

Reference Requisition No.: 709 EC006

Bidder's Name: Cecil I. Walker Machinery Co.

Address: PO Box 2427 Charleston WV 25329

Telephone Number: 304-389-4190

Years Bidder has been registered to do business with the State of West Virginia: 25 YRS.

Years Company has been an authorized dealer for proposed unit: 50+ YRS.

X3.2 Have you complied with all mandatory specifications? YES NO

X4.2 DELIVERY:

X4.2.1 Delivery date of completed representative unit: 60 Calendar Days After
Receipt of Purchase Agreement

X4.2.2 Delivery date of balance of completed units: 90-120 Calendar Days After Receipt of
Purchase Agreement

X5.0 AWARD CRITERIA;

X5.1 Prices for units:

1-10	<u>\$112,180.00</u> per unit
11-20	<u>\$112,180.00</u> per unit
21 and over	<u>\$112,180.00</u> per unit

X6.0 SPECIFICATIONS - GENERAL

X6.1 Manufacturer, model, series, and date of manufacture of proposed unit:

Caterpillar 314D LCR 2009

Is descriptive literature, fully describing proposed unit attached to your bid? YES NO

If not, why? _____

X6.2 Will the required number of service manuals, and complete parts list be delivered to the Equipment Division at Buckhannon upon completion of delivery of total units?

YES NO

Will the required Equipment Preventive Maintenance Form (Section X6.2 of Bidders Evaluation Report) be provided upon inspection of the pilot unit?

YES NO

X6.3 TRAINING:

Will training seminar be conducted on Preventive Maintenance, Operator and Mechanic Training YES NO

Will you conduct training with each purchase order against this open end contract? YES NO

Will training be conducted within 2 working days from the delivery of the pilot unit on the individual purchase order? YES NO

If NO, explain time frame _____

Will an Operator's Manual be furnished directly to Training Academy prior to the delivery of the pilot? YES NO

X6.4 If you are the successful vendor, will you furnish all training aids, i.e., videos, projectors, required in conducting the training? YES NO

X6.4.1 Will all manuals, booklets, etc. explaining preventive maintenance, operator procedures, and service schedule be delivered with each unit? YES NO

If NO, explain _____

X6.5 WARRANTY AND SERVICE POLICY

Will the warranty and service you provide comply with all areas as stated in Section 6.5 of specifications YES NO

Is warranty literature attached? YES NO

Is a minimum two (2) year bumper to bumper basic parts and labor warranty excluding abuse and normal wear items included? YES NO

Describe:

Caterpillar Government New machine warranty and Premier Extended Service Coverage for a total of up to 24 months or 5,000 hours whichever occurs first.

X6.5 WARRANTY AND SERVICE POLICY QUESTIONNAIRE**THIS FORM MUST BE COMPLETED IN ITS ENTIRETY AND SUBMITTED WITH YOUR BID.**

(If additional lines are needed, make copies of form.)

1. Define the terms of the standard warranty. If not offered, so state. (Attach copy)

Caterpillar Government new machine warranty and Premier extended
Service coverage for a total of 24 months or up to 5,000 hours
whichever occurs first.

2. Define warranty service to be performed at DOH facilities and warranty service to be performed at manufacturer's representative facility. List name and location of manufacturer's representative.

All warranty claims for service will be performed by
Walker Machinery, DOH is responsible for transporting
machine to a Walker Machinery location.

3. List locations for parts inventories that are within the State of West Virginia. Also, list availability levels, if known.

Belle, WV, Nitro WV, Logan WV, Huntington WV, Parkersburg WV,
Athens OH, Jackson OH, Beckley WV, Summersville WV

4. During the term of warranty, list the guarantee discount to manufacturer's published list price for parts that bidder will sell the parts to owner.

A.	Terms: Net 30	Manufacturer's published list price less: <u>0</u> % discount
B.	Terms: Net 60	Manufacturer's published list price less: <u>0</u> % discount
C.	Terms: Net 90	Manufacturer's published list price less: <u>0</u> % discount

5. During the term of warranty, will all manufacturers or engineering improvements be submitted to Division of Highways? YES NO

6. During the term of warranty, list the guaranteed rates charged for repair to the unit.

A. Shop Rate \$ 62 per mechanic hour (Regular)B. Travel Time Charge \$ 70 per mechanic hour (Regular)
(Specify if one-way) NA; port to port NAC. Mileage Charge \$ 3.50 per vehicle mile
(Specify if one-way) NA; port to port NAD. Field Mechanic Rate \$ 82 per mechanic hour (regular)E. Specify period of time that prices are in effect: 12/31/2008F. Surcharge for miscellaneous items: NA %

These rates are quoted as Regular Rates, Overtime
or Sunday rates are not included. 2009 labor rates have
not been announced at the time of this bid.

X6.6 EVALUATION COMMITTEE REQUIREMENTS

Is all component specifications, product literature, component models provided for Evaluation Committee bid determination? YES NO

X6.7 Will all parts, equipment, accessories, material, design and performance characteristics not specified herein, but which are necessary to provide a complete unit, be furnished with the unit and conform in strength, quality of material, and quality of workmanship to those which are advertised and provided to the market in general by the unit industry? YES NO

X6.7.1 Are all parts and accessories adequate and regularly supplied as standard to be included except those which may be duplications of specifications herein, and except these by specification are not to be furnished? YES NO

X6.7.2 Are all standard safety features that are required by Federal and State statutes of law included? YES NO

X7.0 SPECIFICATIONS OF THE QUOTED UNIT:

The bidder should complete the following schedule in order for the Division to compare the actual bid unit to the specifications. Should the bidder except a requirement, then such exception may be only on the basis that such feature is not offered by the manufacturer. The Division will have the sole discretion as to whether the bidder's substitution meets the requirements of the specification.

Manufacturer: Caterpillar Model: 314D LCR

X7.1 Specify operating weight 31,852 **pounds.**

X7.2 Engine:

X7.2.1 Specify engine 90 **HP.**

X7.2.2 Is engine turbocharged diesel? YES NO

X7.2.3 Is pressurized liquid cooling system w/thermostat, filled with manufacturers approved extended life permanent type anti-freeze that provides freeze protection to at least -30° F? YES NO

ADD: To Bidder's Evaluation Report

X7.2.4 Is air cleaner, double element with auto dust evacuation? YES NO

X7.2.5 Is fuel filtering system manufacturers heaviest duty available? YES NO

X7.2.6 Is dust proof net for radiator and oil cooler provided? YES NO
See Exception Sheet

X7.2.7 Will Manufacturers heaviest duty electrical system be provided? YES NO

X7.3 Hydraulic System:

X7.3.1 Will proposed hydraulic system maintain manufacturers recommended safe oil temperature within recommended operating range during continuous operation under maximum working combinations? YES NO

X7.3.2 Does system provide manufacturer heaviest variable capacity piston type pumps With load sensing for maximum efficiency? YES NO

X7.3.3 Is boom controlled by two (2) hydraulic cylinders? YES NO
 Specify boom length 15' 3" feet

X7.3.4 Is arm controlled by one (1) hydraulic cylinder/equipped with multi function hydraulic with piping to the end of arm with foot controls? YES NO
 Specify arm length 8' 2" feet

X7.3.5 Is shut off valve at end of piping? YES NO

X7.3.5.1 Is unit equipped with a hydraulic thumb? YES NO
 Specify size 18.9" inches x 47" inches
 width length

X7.3.5.2 Tine thickness of thumb 0.8" inch with a pin diameter 2.5" inch

X7.3.6 Bucket .68 cubic yard with teeth and side cutters YES NO
 Controlled by one (1) hydraulic cylinder YES NO

X7.3.7 Is drive hydrostatic design with independent track control? YES NO

ADD: To Bidder's Evaluation Report

X7.3.8 Does unit have wet multiple disk brakes that automatically releases while propelling and applies when stationary? YES NO

X7.3.9 Is unit swing capable of 360 degrees? YES NO

X7.3.10 Specify swing speed 11.5 R.P.M.

X7.3.11 Is swing brake SAHR for safety? YES NO

If not specify: _____

X7.3.12 Is unit joystick controlled with one (1) additional actuator for auxiliary hydraulics? YES NO

X7.4 Undercarriage:

X7.4.1 Is undercarriage frame manufacturers standard for model/bid? YES NO

X7.4.2 Does unit have sealed type track YES NO

X7.4.3 Does unit have a minimum of one (1) top carrier roller each side for proper track support YES NO

X7.4.4 Are track guides provided to prevent track misalignment YES NO

X7.4.5 Is track adjustment of hydraulic design YES NO

X7.4.6 Does unit have manufacturers triple grouser shoes? YES NO

X7.4.7 Specify track length 12 feet 4 inches

X7.4.8 Tail Swing including manufacturers needed weight(s): 4.83 feet (4'10")

X7.5 Cab:

X7.5.1 Is proposed cab all weather steel isolation mounted? YES NO

X7.5.2 Does proposed unit have a deep cushioned fully adjustable seat with padded arm rests? YES NO

X7.5.3 Is cab equipped with manufacturers heater and air condition system? YES NO

X7.5.4 Is cold weather starting aid provided? YES NO

- X7.5.5 Is cab equipped with front windshield wiper/washer with intermittent features? YES NO
- X7.5.6 Is manufacturers vandalism protection package provided? YES NO
- X7.5.7 Is unit provided with interior cab light? YES NO
- X7.5.8 Are work lights provided at boom and cab adequate for night shift operations? YES NO
- X7.5.9 Is tinted safety glass provided at all locations? YES NO
see exception sheet
- X7.5.10 Is AM/FM radio with antenna provided? YES NO
- X7.6 Paint:
- X7.6.1 Will unit be painted manufacturers standard color? YES NO
- X7.6.2 Does painting procedures for cleaning, degreasing, preparing, priming/painting meet manufacturers standard requirement for painting unit? YES NO
- X7.7 Does unit meet OSHA requirements as specified? YES NO
- X7.8 Does unit meet advertising guidelines as specified? YES NO

709EC006

Hydraulic Track Excavator Exception Sheet

X7.2.6 – a dust proof net is not provided by the manufacturer. The unit being bid includes a swing out fine mesh grill to minimize debris passing through the radiator and oil cooler.

X7.3.5.2- the thumb toolbar specified has four tines that are approximately 0.8 inches thick each. Pin diameter is approximately 2.5 inches.

X7.5.9- the cab windows are polycarbonate for safety purposes

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 Resident Vendor Preference, if applicable.

- 1. Application is made for 2.5% resident 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% resident 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% resident 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% resident 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% resident 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% resident 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

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: Cecil I. Walker Machinery Co. Signed: [Signature]

Date: 11/10/08 Title: Sales Representative

*Check any combination of preference consideration(s) indicated above which you are entitled to receive

STATE OF WEST VIRGINIA
Purchasing Division**PURCHASING AFFIDAVIT****VENDOR OWING A DEBT TO THE STATE:**

West Virginia Code §5A-3-10a provides that: 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 the debt owed is an amount greater than one thousand dollars in the aggregate

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

West Virginia Code §21-1D-5 provides that: Any solicitation for a public improvement construction contract shall require each vendor that submits a bid for the work to submit at the same time an affidavit that the vendor has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code. A public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the West Virginia Code may take place before their work on the public improvement is begun.

ANTITRUST:

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

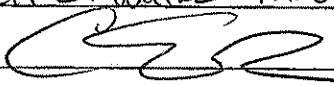
LICENSING:

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendors should visit www.state.wv.us/admin/purchase/privacy for the Notice of Agency Confidentiality Policies.

Under penalty of law for false swearing (West Virginia Code §61-5-3), it is hereby certified that the vendor acknowledges the information in this said affidavit and is in compliance with the requirements as stated

Vendor's Name: Cecil I. Walker Machinery Co.
 Authorized Signature:  Date: 11/10/08



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
 709EC006

PAGE
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF
 MICHAEL AUSTIN
 804-558-2402

RFQ COPY
 TYPE NAME/ADDRESS HERE

DIVISION OF HIGHWAYS
 EQUIPMENT DIVISION
 ROUTE 33
 BRUSHY FORK ROAD
 BUCKHANNON, WV
 26201 304-472-1750

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
10/20/2008				

BID OPENING DATE: 10/29/2008 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
				ADDEDNUM NO. 1		
				BID OPENING DATE AND TIME CHANGED		
				FROM: 10/24/08 AT 1:30 P.M.		
				TO: 10/29/08 AT 1:30 P.M.		
				NO OTHER CHANGES.		
0001	1	EA		968-39		
				HYDRAULIC TRACK EXCAVATOR		
***** THIS IS THE END OF RFQ 709EC006 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE  TELEPHONE 304-389-4196 DATE 10/10/08
 TITLE Sales Representative FEIN 550 352 647 ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

**GENERAL TERMS & CONDITIONS
REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)**

1. Awards will be made in the best interest of the State of West Virginia
2. The State may accept or reject in part, or in whole, any bid.
3. All quotations are governed by the *West Virginia Code* and the *Legislative Rules* of the Purchasing Division.
4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
5. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
6. Payment may only be made after the delivery and acceptance of goods or services
7. Interest may be paid for late payment in accordance with the *West Virginia Code*.
8. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, this Contract may be deemed null and void, and terminated without further order.
14. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
15. **WEST VIRGINIA ALCOHOL & DRUG-FREE WORKPLACE ACT:** If this Contract constitutes a public improvement construction contract as set forth in Article 1D, Chapter 21 of the West Virginia Code ("The West Virginia Alcohol and Drug-Free Workplace Act"), then the following language shall hereby become part of this Contract: "The contractor and its subcontractors shall implement and maintain a written drug-free workplace policy in compliance with the West Virginia Alcohol and Drug-Free Workplace Act, as set forth in Article 1D, Chapter 21 of the West Virginia Code. The contractor and its subcontractors shall provide a sworn statement in writing, under the penalties of perjury, that they maintain a valid drug-free work place policy in compliance with the West Virginia and Drug-Free Workplace Act. It is understood and agreed that this Contract shall be cancelled by the awarding authority if the Contractor: 1) Fails to implement its drug-free workplace policy; 2) Fails to provide information regarding implementation of the contractor's drug-free workplace policy at the request of the public authority; or 3) Provides to the public authority false information regarding the contractor's drug-free workplace policy."

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division.
2. **SPECIFICATIONS:** Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Complete all sections of the quotation form.
4. Unit prices shall prevail in case of discrepancy.
5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
6. **BID SUBMISSION:** All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130

Pre-Bid Conference
SIGN IN SHEET

[Please Print]

Request for Proposal No.: 709EC006 Date: 10/9/08

<u>Firm & Representative Name</u>	<u>Mailing Address</u>	<u>Telephone & FAX Numbers</u>
1. <u>State Equipment</u> <u>TERRY Lamm</u>	<u>PO Box 3939</u> <u>Charleston WV 25339</u>	T: <u>304-776-4405</u> F: <u>304-776-4409</u>
2. <u>State Equipment</u> <u>Jason Lamm</u>	<u>P.O. Box 3939</u> <u>Charleston WV 25339</u>	T: <u>304 776 4405</u> F: <u>304 776 4409</u>
3. <u>Leslie Equipment</u> <u>Thomas Hobbs</u>	<u>284 Van Kirk Dr</u> <u>Farmont, WV 26554</u>	T: <u>304-534-5454</u> F: <u>304-534-5888</u>
4. <u>Leslie Equipment</u> <u>Tim Wagner</u>	<u>284 Van Kirk Dr.</u> <u>FAIRMONT, WV 26554</u>	T: <u>304-534-5454</u> F: <u>304-534-5888</u>
5. <u>MH EQUIPMENT</u> <u>TONY JONES</u>	<u>126 LAKEVIEW DR</u> <u>CHARLESTON WV 25313</u>	T: <u>304-776-6900</u> F: <u>304-776-6966</u>
6. <u>Walker Machinery</u> <u>Eric Ramey</u>	<u>3 Park Rd HUB Industrial Park</u> <u>NITRO, WV 25143</u>	T: <u>304-389-4190</u> F: <u>304-759-6404</u>
7. <u>WV TRACTOR</u> <u>Gene Grady</u>	<u>P.O. BOX 473</u> <u>CHARLESTON WV 25322</u>	T: <u>346-5301</u> F: <u>346-5305</u>
8. <u>RISH EQUIPMENT CO.</u> <u>ANTONIO B. SELARDO</u>	<u>P.O. Box 906</u> <u>BRIDGEPORT, WV 26330</u>	T: <u>304-842-3511</u> F: <u>304-842-6126</u>
9. <u>JACK PAJAN</u> <u>CLEVELAND BROS. CO.</u>	<u>4565 Wm Penn Hwy</u> <u>MURRYSVILLE PA 15668</u>	T: <u>724-327-1300</u> F: <u>724-327-9318</u>
10. <u>Uniontown Industrial</u> <u>JEFFREY SCALES</u>	<u>2266 University Dr.</u> <u>Lemont Furnace, Pa. 15456</u>	T: <u>724-437-1578</u> F: <u>724-437-2098</u>

Please print or write legibly. The fax number is essential to contact the attendees in a timely manner.

Pre-Bid Conference
SIGN IN SHEET

[Please Print]

Request for Proposal No.: 709E2006 Date: 10-9-08

<u>Firm & Representative Name</u>	<u>Mailing Address</u>	<u>Telephone & FAX Numbers</u>
1. <u>MARINA LEE</u>	<u>DOH</u>	T: _____ F: _____
2. <u>ANGIE MOORMAN</u>	<u>DOH</u>	T: _____ F: _____
3. <u>TARA COCHRAN</u>	<u>DOH</u>	T: _____ F: _____
4. <u>DORWESE</u>	<u>DOH</u>	T: _____ F: _____
5. _____	_____	T: _____ F: _____
6. _____	_____	T: _____ F: _____
7. _____	_____	T: _____ F: _____
8. _____	_____	T: _____ F: _____
9. _____	_____	T: _____ F: _____
10. _____	_____	T: _____ F: _____

Please print or write legibly. The fax number is essential to contact the attendees in a timely manner.



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
 709EC006

PAGE
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF
 MICHAEL AUSTIN
 304-558-2402

RFQ COPY
 TYPE NAME/ADDRESS HERE

VENDOR

SHIP TO

DIVISION OF HIGHWAYS
 EQUIPMENT DIVISION
 ROUTE 33
 BRUSHY FORK ROAD
 BUCKHANNON, WV
 26201 304-472-1750

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
10/27/2008				

BID OPENING DATE: 11/12/2008 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 2						
BID OPENING DATE AND TIME CHANGED						
FROM: 10/29/08 AT 1:30 P.M.						
TO: 11/12/08 AT 1:30 P.M.						
NO OTHER CHANGES						
0001	1	EA		968-39		
HYDRAULIC TRACK EXCAVATOR						
***** THIS IS THE END OF RFQ 709EC006 ***** TOTAL: _____						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE 	TELEPHONE 304-389-4190	DATE 11/10/08
TITLE Sales Representative	FEIN 550 352 647	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

**GENERAL TERMS & CONDITIONS
REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)**

1. Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid.
3. All quotations are governed by the *West Virginia Code* and the *Legislative Rules* of the Purchasing Division.
4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
5. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
6. Payment may only be made after the delivery and acceptance of goods or services.
7. Interest may be paid for late payment in accordance with the *West Virginia Code*.
8. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, this Contract may be deemed null and void, and terminated without further order.
14. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
15. **WEST VIRGINIA ALCOHOL & DRUG-FREE WORKPLACE ACT:** If this Contract constitutes a public improvement construction contract as set forth in Article 1D, Chapter 21 of the West Virginia Code ("The West Virginia Alcohol and Drug-Free Workplace Act"), then the following language shall hereby become part of this Contract: "The contractor and its subcontractors shall implement and maintain a written drug-free workplace policy in compliance with the West Virginia Alcohol and Drug-Free Workplace Act, as set forth in Article 1D, Chapter 21 of the West Virginia Code. The contractor and its subcontractors shall provide a sworn statement in writing, under the penalties of perjury, that they maintain a valid drug-free work place policy in compliance with the West Virginia and Drug-Free Workplace Act. It is understood and agreed that this Contract shall be cancelled by the awarding authority if the Contractor: 1) Fails to implement its drug-free workplace policy; 2) Fails to provide information regarding implementation of the contractor's drug-free workplace policy at the request of the public authority; or 3) Provides to the public authority false information regarding the contractor's drug-free workplace policy."

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division.
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3. Complete all sections of the quotation form.
4. Unit prices shall prevail in case of discrepancy.
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State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
709EC006

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
**MICHAEL AUSTIN
 304-558-2402**

RFQ COPY
 TYPE NAME/ADDRESS HERE

DIVISION OF HIGHWAYS
 EQUIPMENT DIVISION
 ROUTE 33
 BRUSHY FORK ROAD
 BUCKHANNON, WV
 26201 304-472-1750

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
10/28/2008				

BID OPENING DATE: **11/12/2008** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 3						
CHANGES TO THE SPECIFICATIONS ATTACHED.						
ADD: ITEMS X7.2.4 THROUGH X7.5.4 TO THE BIDDER'S EVALUATION REPORT INADVERTENTLY LEFT OUT OF THE "REQUEST FOR QUOTATION.						
BID OPENING DATE AND TIME REMAINS 11/12/08 @1:30 P.M.						
NO OTHER CHANGES.						
0001		EA		968-39		
	1			HYDRAULIC TRACK EXCAVATOR		
***** THIS IS THE END OF RFQ 709EC006 ***** TOTAL: _____						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>CER</i>	TELEPHONE 304-389-4990	DATE 11/10/08
TITLE Sales Representative	FEIN 550 352 647	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

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709EC006
PRE BID ADDENDUM #3

HYDRAULIC TRACK EXCAVATOR

CHANGES TO SPECIFICATIONS:

FROM:

4.2 DELIVERY – (3rd Paragraph)

A completed pilot model for inspection must be provided within 30 calendar days after receipt of the purchase agreement by the successful vendor.

TO:

4.2 DELIVERY – (3rd Paragraph)

A completed pilot model for inspection must be provided within 60 calendar days after receipt of the purchase agreement by the successful vendor.

FROM:

7.1 Operating weight shall be no less than 28,000 pounds and not more than 32,291 pounds.

TO:

7.1 Operating weight shall be no less than 28,000 pounds and not more than 32,291 pounds including fuel, thumb, and bucket attached.

FROM:

7.4.8 Maximum tail swing 4.82 feet including manufacturers needed weight(s).

TO:

7.4.8 Maximum tail swing 5.1 feet including manufacturers needed weight(s),

FROM:

7.5.6 Manufacturers vandalism protection package shall be provided.

TO:

7.5.6 Manufacturers vandalism protection package shall be provided. The vandalism protection package shall include locking cab doors, locking compartments for the engine and hydraulic components, locking fuel and radiator access and electrical cut-off switch. All locks except master switch shall be keyed alike.

709EC006
PRE BID ADDENDUM #3

HYDRAULIC TRACK EXCAVATOR

CHANGES TO BIDDER'S EVALUATION REPORT:

X4.2.1 – NO CHANGES REQUIRED

Delivery date of completed representative unit: 60 calendar days after receipt of Purchase agreement

FROM:

X7.1 Specify operating weight _____ pounds

TO:

X7.1 Specify operating weight 31,852 pounds including fuel, thumb, and bucket attached.

X7.4.8 – NO CHANGES REQUIRED

Tail swing including manufacturers needed weight(s): 4.83 feet

FROM:

X7.5.6 Is manufacturers vandalism protection package provided? YES NO

TO:

X7.5.6 Is manufacturers vandalism protection package provided? YES NO

Does it include locking cab doors, locking compartments for the engine and hydraulic components, locking fuel and radiator access and electrical cut-off switch, and all locks except master switch are keyed alike YES NO

Effective with sales to the first user on or after January 1, 2005

CATERPILLAR WARRANTY

Earthmoving, Construction, Material Handling Machines, and Paving Product Machines For Selected Models Designated by Caterpillar With 12 Month/1500 Hour Warranty (USA & Canada)

Caterpillar warrants the following products sold by it and operating within the geographic area serviced by authorized USA and Canadian dealers to be free from defects in material and workmanship.

(In other areas different warranties may apply. Copies of applicable warranties may be obtained by writing to Caterpillar Inc., 100 N.E. Adams St., Peoria, IL USA 61629.)

- New earthmoving, construction, material handling machines, and paving product machines designated by Caterpillar as having a 12 month/1500 hour warranty. See your Caterpillar dealer for a complete listing of covered models.
- New engines used as replacements in such Caterpillar product.
- Attachments installed on such machines prior to delivery (unless covered by the Caterpillar Work Tool warranty statement or another manufacturer's warranty).

An additional warranty against breakage is applicable to certain Caterpillar brand Ground Engaging Tools. Refer to the applicable warranty statement for coverage detail.

This warranty does not apply to Caterpillar brand batteries or Caterpillar Work Tools which are covered by other Caterpillar warranties.

This warranty is subject to the following:

Warranty Period

For new machines and attachments, the warranty period is 12 months or 1500 operating hours, whichever occurs first, starting from date of delivery to the first user.

For new replacement engines, the warranty period is 6 months, starting from date of delivery to the first user.

Caterpillar Responsibilities

If a defect in material or workmanship is found during the warranty period, Caterpillar will, during normal working hours and at a place of business of a Caterpillar dealer or other source approved by Caterpillar:

- Provide (at Caterpillar's choice) new, Remanufactured, or Caterpillar-approved repaired parts or assembled components needed to correct the defect.

Note: Items replaced under this warranty become the property of Caterpillar.

- Replace lubricating oil, filters, antifreeze, and other service items made unusable by the defect.

- Provide reasonable and customary labor needed to correct the defect, except in the case of a new replacement engine originally installed by other than a Caterpillar dealer or source approved by Caterpillar. In this case, labor is limited to repair only, and removal and installation is the user's responsibility.

User Responsibilities

The user is responsible for:

- Providing proof of the delivery date to the first user.
- The costs associated with transporting the product.
- Labor costs, except as stated under "Caterpillar Responsibilities".
- Local taxes, if applicable.
- Parts shipping charges in excess of those which are usual and customary.
- Costs to investigate complaints, unless the problem is caused by a defect in Caterpillar material or workmanship.
- Giving timely notice of a warrantable failure and promptly making the product available for repair.
- Performance of the required maintenance (including use of proper fuel, oil lubricants and coolant) and replacement of items due to normal wear and tear.
- Allowing Caterpillar access to all electronically stored data.

Limitations

Caterpillar is not responsible for failures resulting from:

- Any use or installation which Caterpillar judges improper.
- Attachments, accessory items and parts not sold or approved by Caterpillar.
- Abuse, neglect and/or improper repair.
- User's delay in making the product available after being notified of a potential product problem.
- Unauthorized repair or adjustments, and unauthorized fuel setting changes.

(continued on reverse side...)

NEITHER THE FOREGOING EXPRESS WARRANTY NOR ANY OTHER WARRANTY BY CATERPILLAR, EXPRESS OR IMPLIED, IS APPLICABLE TO ANY ITEM CATERPILLAR SELLS WHICH IS WARRANTED DIRECTLY TO THE USER BY ITS MANUFACTURER.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, EXCEPT CATERPILLAR EMISSION-RELATED COMPONENTS WARRANTIES FOR NEW ENGINES, WHERE APPLICABLE. REMEDIES UNDER THIS WARRANTY ARE LIMITED TO THE PROVISION OF MATERIAL AND SERVICES, AS SPECIFIED HEREIN. CATERPILLAR IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

As used in this warranty, the term "Caterpillar" means Caterpillar Inc., or one of its subsidiaries, except Caterpillar S.A.R.L., Caterpillar France S.A., Caterpillar (U.K.) Limited, or Caterpillar Belgium S.A., whichever last sold the product involved.

COUNT ON GETTING MORE

Caterpillar Financial Products Division offers additional solutions for the comprehensive needs of your business.

Used Machine Extended Service Coverage offered

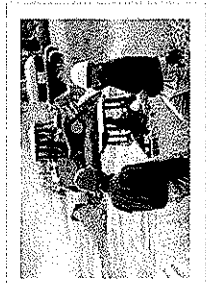
by your Cat Dealer and backed by Caterpillar Insurance Company, you can buy and operate your used equipment with confidence, knowing that defects in material and workmanship will be covered. Extended Coverage repairs from a Cat Dealer mean continued performance from your equipment, giving you the maximum life from your investment.

Cat Physical Damage Insurance transfers risk. Available

for any brand of equipment and with enhanced coverage for fleets. Cat Physical Damage Insurance coverage includes collision, flood, upset, overturn, fire, vandalism, theft and more. And if you've obtained financing through Cat Financial, you can get same-day approval, your rate is locked in for the term of your contract, and you can combine your finance and insurance payments.

Caterpillar Financial Services Corporation offers a

wide range of financing solutions for the complete line of new and used Caterpillar equipment, as well as related products sold through our Cat Global Dealer Network.



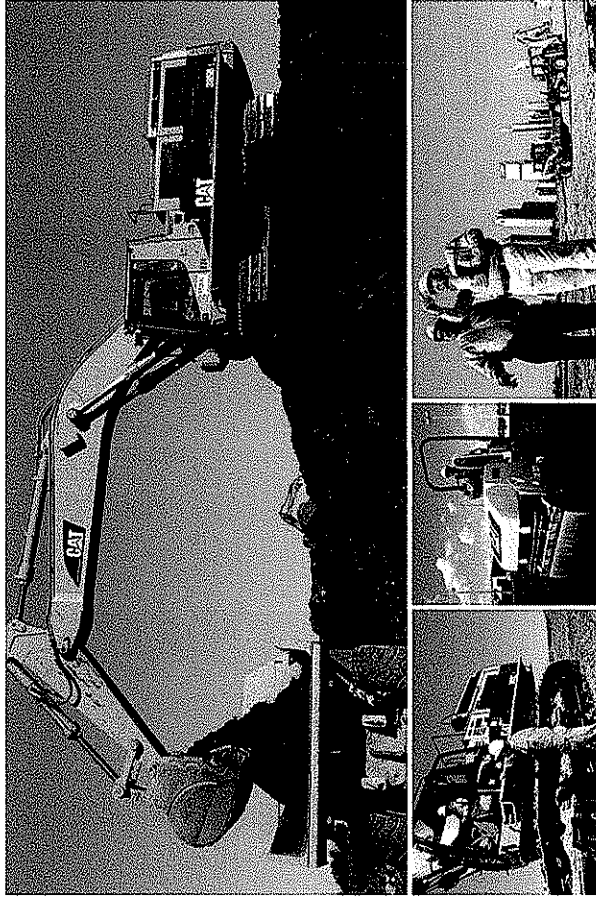
**Caterpillar Insurance
Services Corporation**

2120 West End Avenue
Nashville, TN 37203

1.800.248.4228
www.catinsurance.com

Providing convenience, confidence and security long beyond your Caterpillar standard warranty.

> **You Can Count on Cat Insurance.**



EXTENDED SERVICE COVERAGE
FOR YOUR NEW CAT MACHINE

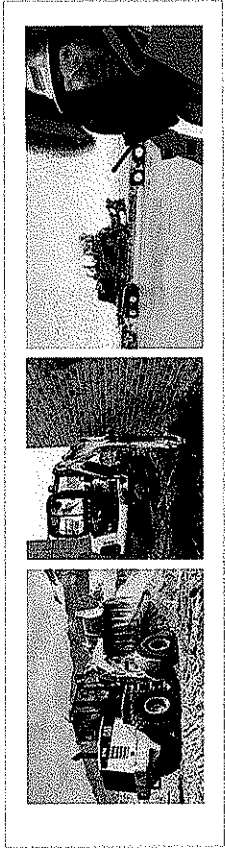
The information contained herein is provided only for general information purposes only and is not intended to constitute an offer of insurance. Coverage is subject to underwriting and a complete description of all the terms, conditions and exclusions apply to the product and service identified. For complete descriptions of the terms, conditions and exclusions, please refer to the actual policy. Coverage is not available in all jurisdictions.

CAT, CATERPILLAR, other marks and "Caterpillar Yellow" are marks of Caterpillar and product marks used herein. All trademarks of Caterpillar and may not be used without permission.

©2006 Caterpillar
All Rights Reserved in USA
ADW00070



COUNT ON CAT INSURANCE TO PROTECT YOUR INVESTMENT



Extended Service Coverage (ESC) is the only service plan designed specifically for buyers of new Cat® machines, providing the highest level of repair cost protection available. Backed by the worldwide resources of Caterpillar, ESC will enhance and sustain your entire ownership experience with comprehensive coverage and total peace of mind.

You buy the best in heavy equipment and machinery because you can count on it to get the job done. Caterpillar® secures your investment with a standard warranty that provides 6-12 months of worry-free operation. But the lifespan of Cat machines well exceeds that timeframe, so your Cat Dealer offers ESC, which protects you for the long haul. ESC wraps around the factory warranty, ensuring that your investment is safeguarded beyond the standard warranty period.

With three levels of coverage, you choose the option that best suits your needs and your budget—whether **Powertrain**, **Powertrain-Hydraulic** or, the most comprehensive, **Premier ESC**. Each will add valuable years and hours of operation to your standard warranty period, keeping major repair costs from negatively impacting your bottom line.

From earthmoving construction equipment to forestry and mining machines, ESC covers parts and labor for defects in material and workmanship.

Note: The following are partial lists of machine components that are protected or excluded by Cat Insurance Extended Service Coverage. The actual Dealer contract will govern.

POWERTRAIN COVERAGE

Premier ESC

The most comprehensive coverage option, Premier ESC coverage includes Powertrain components, Powertrain+ Hydraulic components (see below), as well as additional powertrain, hydraulic, electrical and structural components.

- Radiator and muffler
- Undercarriage non-moving components
- External hoses and lines for oil, water and air
- Transmission pumps, controls and valves
- Hydraulic brake system components
- Electric system
- Machine electronic controls
- Drive train electronic controls
- Moving undercarriage components
- Service items
- Maintenance items with other warranty statement items not included under Standard Machine Warranty

COVERED

EXCLUDED

Powertrain+Hydraulic ESC

Coverage includes Powertrain components (see below), as well as specified hydraulic system parts and components. Hydraulic components are associated with steering and implement control.

- Hydraulic/steering hoses & lines
- Hydraulic quick-couplers & swivels
- Hydraulic tanks/oil filter base
- Hydraulic pumps & motors
- Hydraulic valves & controls
- Hydraulic cylinders

COVERED

EXCLUDED

Powertrain ESC

Powertrain components produce, transmit or control engine horsepower for moving the machine. Coverage includes several major Powertrain component categories.

- Basic engine and transmission
- Torque converter/divider
- Drive line/differential
- Certain electronic controls and sensors
- Undercarriage components
- MTL/MHE track belts & assemblies
- Radiator

COVERED

EXCLUDED



Dealer Responsibilities:

- Perform necessary inspections to confirm eligibility.
- Install only Caterpillar approved parts on covered repairs.
- Validate your enrollment in the program.

Customer Responsibilities:

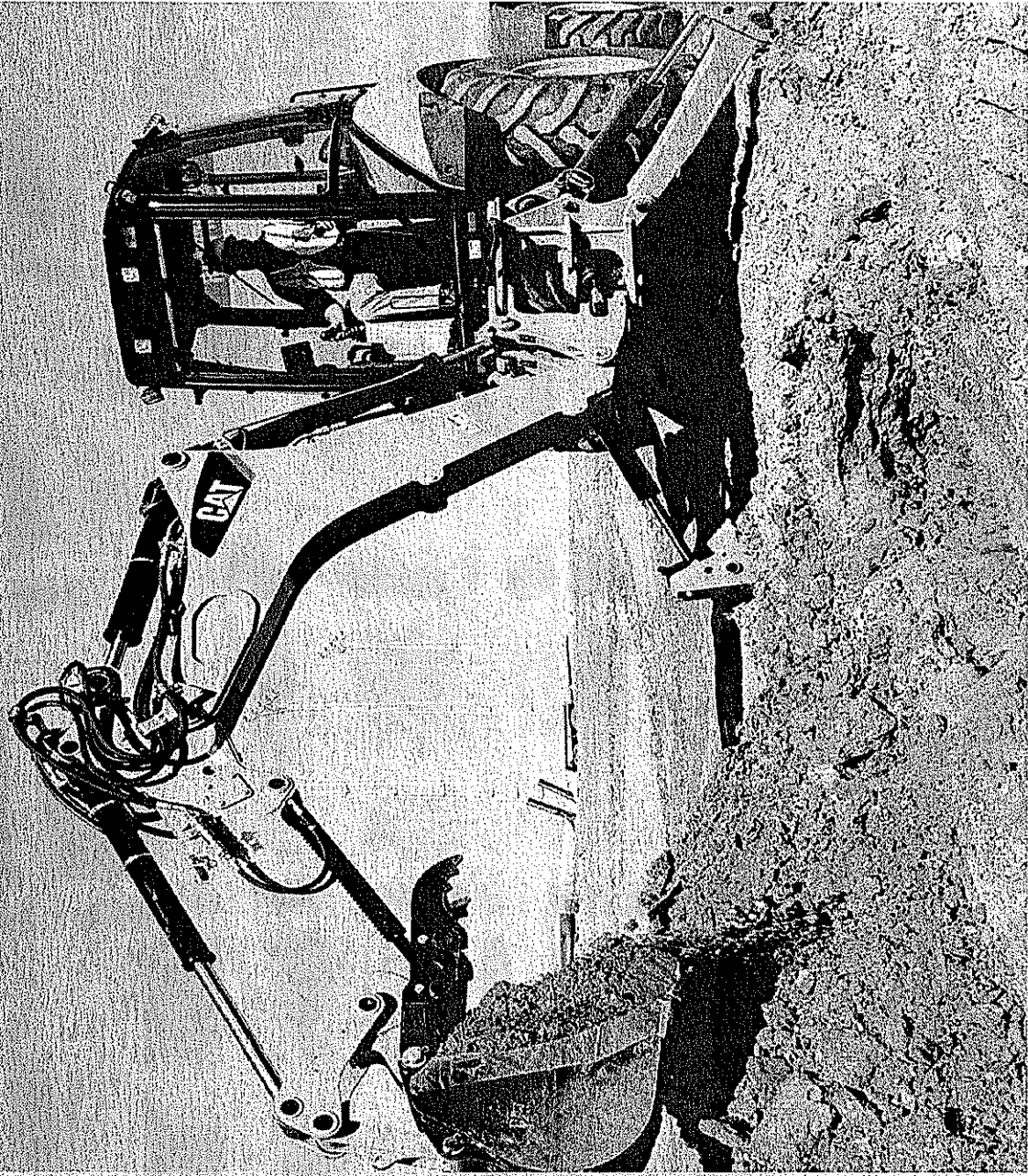
- Operate the equipment according to the Caterpillar Operation & Maintenance Manual.
- Have recommended preventative maintenance performed at service intervals specified in the Operation & Maintenance Manual.
- Upon request, provide proof of preventative maintenance compliance. Proof can include receipts, copies of work orders or invoices.
- Promptly provide the machine for repair in the event of a covered component failure.

PREMIER
EXTENDED
SERVICE
COVERAGE
FOR YOUR NEW
CAT® MACHINE

Providing convenience, confidence and security
long beyond your Caterpillar standard warranty.
You can count on Cat Insurance

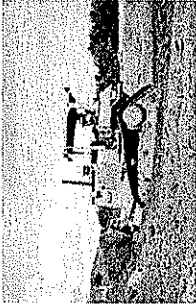
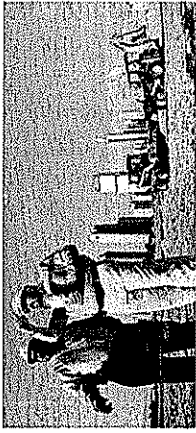
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resources of Caterpillar®, Premier ESC will enhance
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CATERPILLARINSURANCE.COM



CATERPILLAR®
TODAY'S WORK. TOMORROW'S WORLD.™

PREMIER EXTENDED SERVICE COVERAGE FOR YOUR NEW CAT® MACHINE



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Our most comprehensive coverage option, Premier ESC coverage includes powertrain, hydraulic, electrical and structural components.

Ask your Cat dealer for details.

Note: The following is a partial list of machine components that are protected or excluded by Cat Insurance Premier Extended Service Coverage. The actual Dealer contract will govern.

CATERPILLAR®
TODAY'S WORK. TOMORROW'S WORLD.™

Components covered under Premier ESC:

- > Basic engine and transmission
- > Certain electronic controls and sensors
- > Drive line/differential
- > Drive train electronic controls
- > External hoses and lines for oil, water and air
- > Electric system
- > Hydraulic brake system components
- > Hydraulic cylinders
- > Hydraulic pumps & motors
- > Hydraulic quick-couplers & swivels
- > Hydraulic/steering hoses & lines
- > Hydraulic tanks/oil filter base
- > Hydraulic valves & controls
- > Machine electronic controls
- > Radiator and muffler
- > Torque converter/divider
- > Transmission pumps, controls and valves
- > Undercarriage non-moving components

COVERED

Components excluded under Premier ESC:

- > Moving undercarriage components
- > Service items
- > Items not included under Standard Machine Warranty
- > Maintenance items with other warranty statement

EXCLUDED

Key Features and Benefits

Buy and operate Cat equipment with confidence. - ESC repairs correct covered defects in materials and workmanship, and service work is performed by Cat technicians.

Keep it Cat throughout its life. - Cat builds, protects and services your Cat machine with genuine Cat replacement parts.

Maximize usable life of your investment. - Manage the cost of covered repairs.

Maximize machine resale value. - Premier ESC is transferable when you sell your machine.

Perform necessary inspections to confirm eligibility. Install only Caterpillar approved parts on covered repairs. Validate your enrollment in the program.

Operate the equipment according to the Caterpillar Operation & Maintenance Manual.

Have recommended preventative maintenance performed at service intervals specified in the Operation & Maintenance Manual.

Upon request, provide proof of preventative maintenance compliance. Proof can include receipts, copies of work orders or invoices.

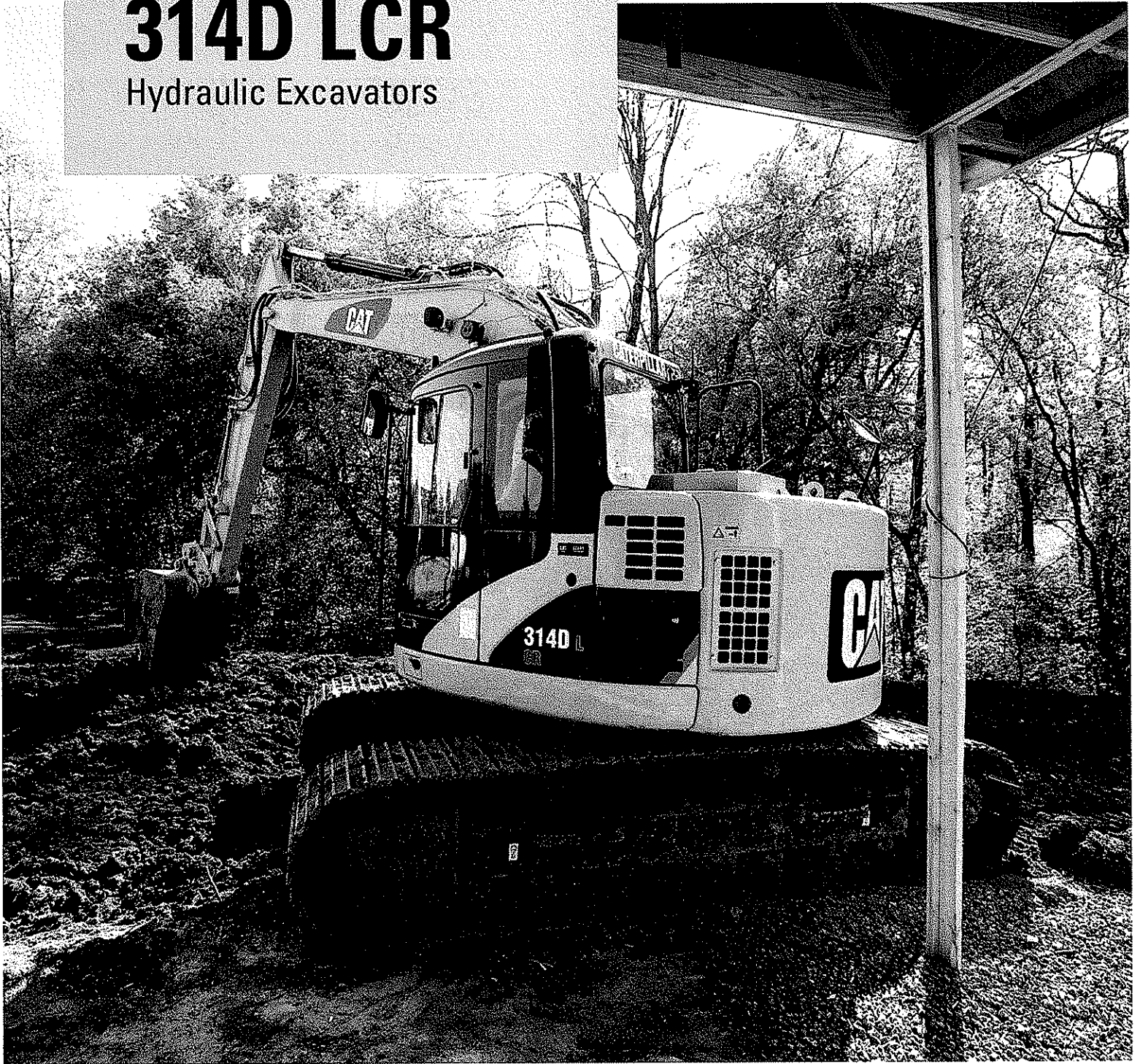
Promptly provide the machine for repair in the event of a covered failure.

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314D CR 314D LCR

Hydraulic Excavators

CATERPILLAR®



Engine

Gross Power	72 kW	97 hp
Net Power (SAE J1349)	67 kW	90 hp
Engine Model	Cat® C4.2 ACERT®	

Weights

Operating Weight – Standard Undercarriage	14 000 kg	30,865 lb
Operating Weight – Long Undercarriage	14 100 kg	31,085 lb ✱

Features

Comfortable Operator Station

Spacious and quiet, this world class cab lets the operator focus on performance and production.

Industry-Leading Performance

The 314D CR/314D LCR with a Cat® C4.2 ACERT® engine and overall system efficiency delivers industry-leading productivity.

Maximum Versatility

Easily configure and operate a large variety of work tools with the Cat Tool Control System.

Proven Reliability

Caterpillar® design and manufacturing techniques provide maximum uptime with outstanding durability and service life.

Low Emissions Engine

Do more work using less fuel with the Cat C4.2 ACERT engine. It meets U.S. EPA Tier 3 and EU Stage IIIA emissions while maintaining the power and performance expected from Caterpillar.

Compact Radius

The shorter tail swing and tighter front swing radius allow the operator to work safer and more efficiently on space restricted or congested job sites, focusing more on the work at hand and less on the counterweight clearance.



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Achieve high productivity and lower operating costs with the Cat® 314D Hydraulic Excavator. Unmatched versatility, improved controllability, easy operation and a comfortable, redesigned operator station help make the 314D an industry-leading performer.

Operator Station

Enhanced comfort, operation and visibility

Experience a spacious, quiet and comfortable operator station. The cab is pressurized to reduce the amount of dust that enters the cab, keeping the operator comfortable the entire shift, while assuring high productivity during long work days.

- The comfortable seat adjusts to suit the operator's size and weight. Available as an option is a heated, air suspension seat.
- Standard air conditioning with automatic climate control adjusts temperature and airflow.
- Low effort joystick controls are designed to match the operator's natural wrist and arm position. Joysticks can be operated with arms on the adjustable armrests. The horizontal and vertical strokes are designed to reduce fatigue.

Prestart Check and Monitor Display

Prior to starting the machine, the system checks for low engine oil, hydraulic oil and engine coolant fluid levels and warns the operator through a color Liquid Crystal Display (LCD) monitor. The LCD monitor displays vital operating and performance information, in 29 different languages, for operator convenience.

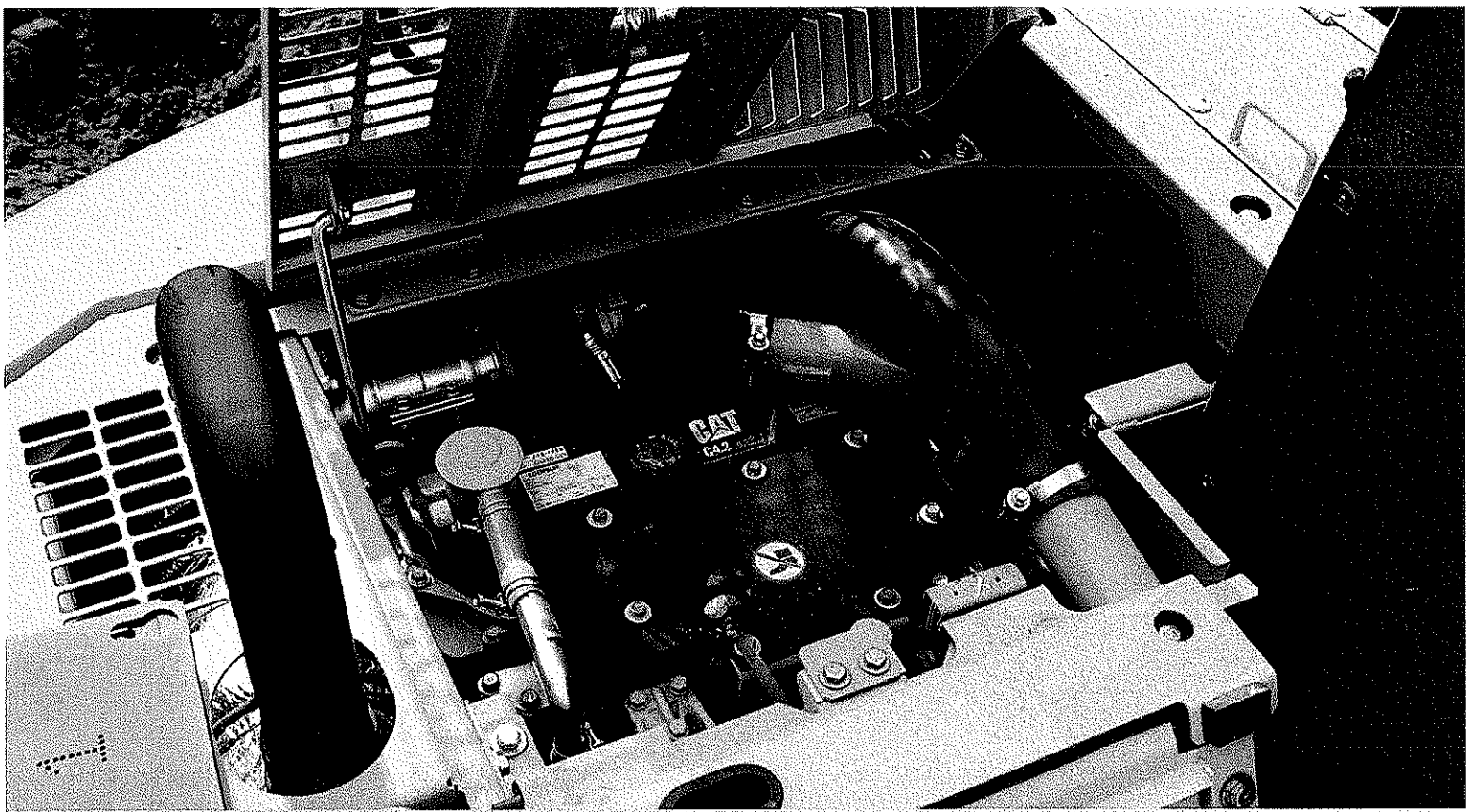
Cab Exterior

The 314D provides a new cab design that allows a Falling Object Guard System (FOGS) or front windshield screen to be bolted directly to the cab, at the factory or in the field, enabling the machine to meet specifications and job site requirements. The cab shell is attached to the frame with viscous rubber cab mounts that dampen vibrations and sound levels to enhance operator comfort.

Machine Security System

An optional Machine Security System (MSS) utilizes a programmable key, deterring theft, vandalism and unauthorized usage. MSS uses electronically coded keys selected by the customer to limit usage by individuals or time parameters.





Engine

Delivering the most work per liter/gallon of fuel consumed

The Cat® C4.2 engine with ACERT® Technology optimizes performance and meets U.S. EPA Tier 3 and EU Stage IIIA regulations. In conjunction with integrated electronics, ACERT Technology reduces emissions during the combustion process by using advanced technology in the air and fuel systems. The Cat C4.2 engine delivers exceptional power, allowing more hydraulic pressure to drive productivity and reduce your cost per ton of material moved.

Automatic Engine Control and Fuel Delivery

A two-stage control and one-touch low idle button maximize fuel efficiency and reduce sound levels. Fuel delivery is managed by the ADEM™ A4 Engine Controller for the best performance per liter (gallon) of fuel used. Flexible fuel mapping allows the engine to respond quickly to varying application needs.

Crankshaft and Pistons

A forged, one-piece, induction hardened crankshaft enhances balance, decreases vibration and improves abrasion resistance. Heat resistant, aluminum alloy pistons have a short compression height for greater efficiency and longer life.

Economy Mode

Accessible through the in-cab monitor, economy mode allows you to balance the demands of performance and fuel economy while maintaining the breakout forces and lift capacity enjoyed at standard power.

Hydraulics

Low effort and precise control for highly efficient performance

Outstanding Performance

With two percent more hydraulic pressure for additional lift and breakout forces, the 314D hydraulic system is designed for high efficiency and performance. Auxiliary hydraulic and electrical lines are routed to the boom foot as standard, making retrofit of hydraulic circuits much easier. This compact design utilizes short tubes and lines, reducing friction and pressure drops, resulting in a more efficient use of power.

- Hydraulic snubbers at the rod end of the boom cylinders and both ends of the stick cylinder cushion shock, reduce sound and increase cylinder life.
- Flow is reduced to a minimum when controls are in neutral to reduce fuel consumption and extend component life.
- Hydraulic Cross-Sensing System uses two hydraulic pumps up to 100 percent of available hydraulic horsepower under all operating conditions, improving productivity with faster implement speeds and quicker, stronger pivot turns.

Boom and Stick Regeneration Circuit

The boom and stick electronic regeneration circuit saves energy during boom-down and stick-in operation, increasing efficiency and lowering operating costs.

Easy Operation

Work mode and power mode switches have been eliminated making full power available at all times. Operators do not need to learn different modes. An automatic boom and swing priority function automatically selects the best mode based on joystick movement.



Undercarriage/Structures

Strong, stable and easy to maneuver



Caterpillar uses advanced engineering and software to analyze all structures, creating a durable, reliable machine for the toughest applications. More than 70 percent of the structural welds are robotic and achieve additional penetration over manual welds. These structural components and undercarriage are the backbone of the machine's durability.

Carbody Design

X-shaped, box section carbody provides excellent resistance to torsional bending. Robot-welded track roller frames are press-formed, pentagonal units that deliver exceptional strength and service life. Idler and center guards (standard for LC option) are available to help maintain track alignment when traveling or working on slopes.

Grease Lubricated Track

Track links are assembled and sealed with grease to decrease internal bushing wear and increase life by as much as 25 percent, when compared to dry seal undercarriages.

Travel Motors

Travel motors with automatic speed selection let the 314D automatically change up and down from high and low speeds in a smooth, controlled manner.

Front Linkage

Reliable, durable and versatile

Built for performance and long service life, Cat booms and sticks are welded, box-section structures with thick multi-plate high strength steel fabrications. Service intervals are extended with self-lubricating bearings that resist corrosion and galling for superior durability.

Boom

The boom is designed for maximum digging capability and is robotic welded to ensure consistent quality. This allows excellent all-around versatility and a large working envelope.

Stick

Three stick options are available to meet your application needs and increase performance and productivity. A new 2.8 m (9'2") intermediate stick is available to provide long reach and increased digging and lifting capability.



Versatility

More options for more work

Work Tools

Caterpillar offers a variety of work tools, including hammers, thumbs, grapples, multi-processors, shears, pulverizers and vibratory compactors to fit your application needs. Additionally, a wide range of buckets are available to optimize machine performance.

Auxiliary hydraulic and electrical lines are routed to the boom foot for easier installation of auxiliary hydraulic circuits, therefore reducing time, parts and cost required to add a work tool.

Hydraulic Pin Grabber Coupler

An optional hydraulic pin grabber coupler is available to pick up a wide variety of buckets and work tools without having to leave the cab, thus maximizing productivity.

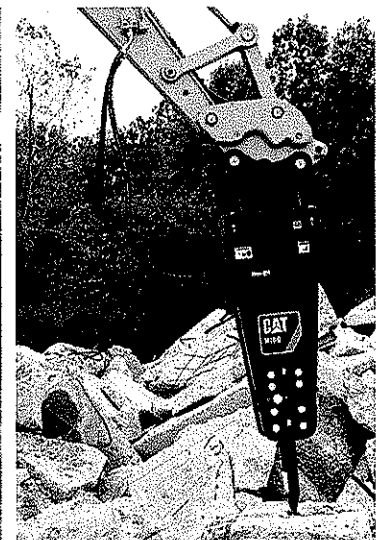
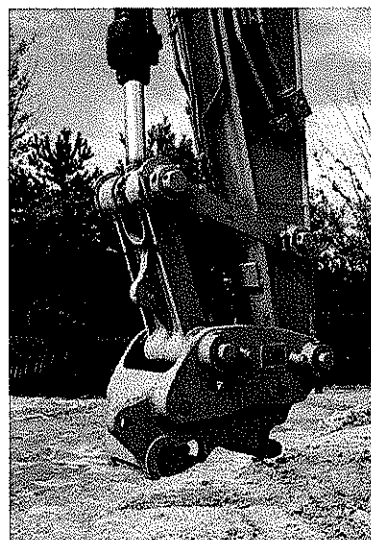
Enhanced Systems

Work tool functionality has increased the versatility of the machine with the enhancement of the following:

- An optional Combined System enables one or two pump flow in one or two directions. With this system, only one hydraulic circuit is required.
- The Tool Control System stores up to 10 different tool settings through the in-cab display monitor. Cat Work Tools are selectable with preset flows and pressures.
- Offered as an option, the Priority Flow System provides all the advantages of the Combined System plus true priority flow for hydraulic work tools such as rotary mowers.
- Medium Pressure Circuit is available as an attachment for work tools requiring additional auxiliary hydraulics such as the rotate function on rotating grapples and shears.

Compact Radius

The shorter tail swing and tighter front swing radius allow the operator to work safer and more efficiently on space restricted or congested job sites, focusing more on the work at hand and less on counterweight clearance.



Compact Radius

Flexibility in tight quarters and peace of mind



Compact Radius Design

The 314D CR/314D LCR features a compact radius design which makes it ideal for working in space restricted conditions such as close to buildings, against walls/fences/embankments, wooded residential lots, road construction – limiting lane closures, logging roads or just generally “crowded” job sites. This is not just a “city” machine. The tail swing radius is just 1.48 m (4'10”) with the standard counterweight as compared to 2.14 m (7'0”) on the Cat 312D. When rotated 90 degrees and working over the side, a minimal amount of counterweight extends beyond the track width: 185 mm (7”) of overhang with 600 mm (24”) track shoes and standard counterweight. At the end of the day, there is significantly reduced risk of damage to the machine and any job site obstacles which equates to lower operating costs, better resale value, increased safety and more operator comfort.

Operator Confidence

Due to the 314D CR/314D LCR compact working envelope, operators can work confidently knowing that the counterweight will not swing into objects behind them.

Comfort

The cab on the 314D CR/314D LCR is a comfortable place to work, with low sound levels, good viewing area and convenient access to the switches and controls. The 314D CR/314D LCR cab offers many of the same amenities and options found on the cab of the Cat 312D.

Working Envelope

To further minimize the working envelope, the boom is repositioned more towards the center of the machine compared to a standard excavator. This reduces the front swing radius when the boom is pulled all the way up and the stick brought in completely.



Serviceability

Simplified service and maintenance saves time and money

Designed with the service technician in mind, many service locations are at ground level so critical maintenance can be done quickly and efficiently. Longer maintenance intervals reduce cost and increase machine availability.

- LCD monitor has the capability to memorize working hours for filters, fluids, components and work tools. Working time histories and recommended change intervals can be displayed.
- Oil level gauge, fuel filter and priming pump are conveniently located on the front of the engine for easy maintenance.
- An optional electronic fuel water sensor is available to alert the operator when the water level is high.
- Product Link assists with fleet management by tracking hours, location and product health.
- New anti-skid plates over the top of the storage box and upper structure help prevent slipping and mud from falling into the upper structure.

Sampling Ports

Equipped with S-O-SSM sampling ports and test ports for hydraulics, engine oil and coolant for quick diagnostics. A test connection for the Cat Electronic Technician (Cat ET) service tool is now located in the cab, behind the seat.

Air Cleaner

A double-layered filter core in the radial seal air filter gives more efficient filtration. A warning is displayed on the monitor when dust accumulates above a preset level. This filter is conveniently located in the compartment behind the cab. An optional pre-cleaner is also available to extend filter life and reduce maintenance costs.

Capsule Filter

Capsule-type, hydraulic return filter is accessible from outside the tank and prevents contaminants from entering the system when changing the hydraulic oil.

Radiator Compartment

Removable screens are located in front of the radiator and hydraulic cooler, reducing cleaning time and effort.



Customer Support

Unmatched support makes the difference

Your Cat dealer is ready to assist you with your purchase decision and everything after.

- Make detailed comparisons of the machines you are considering before you buy with estimates of component life, preventive maintenance and the true cost of production.
- Customize the machine that is right for you using Build and Quote applications on your dealer's website or www.cat.com.
- Get the latest training literature and trained staff.
- Repair option programs guarantee the cost of repairs up front.
- Nearly all parts are available at dealer parts counters.
- Financing packages are flexible to meet your needs.
- Your Cat dealer can evaluate the cost involved in repairing, rebuilding and replacing your machine so you make the right choice.
- SAFETY.CAT.COM™.

314D CR/314D LCR Hydraulic Excavator Specifications

Engine

Engine Model	Cat® C4.2 ACERT®	
Gross Power	72 kW	97 hp
Net Power (SAE J1349)	67 kW	90 hp
SAE J1349	67 kW	90 hp
Bore	102 mm	4 in
Stroke	130 mm	5.1 in
Displacement	4.25 L	259 in ³

- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.
- No engine power derating required below 2300 m (7,500 ft).
- The 314D CR/314D LCR meets U.S. EPA Tier 3 and EU Stage IIIA Directive/97/68/EC emissions requirements.

Weights

Operating Weight – Standard Undercarriage	14 000 kg	30,865 lb
Operating Weight – Long Undercarriage	14 100 kg	31,085 lb

- Weight includes 500 mm (20 in) shoe, 0.43 m³ (0.56 yd³) bucket, long stick (3.0 m/9'10") and standard counterweight.

Swing Mechanism

Swing Torque	30.9 kN·m	22,825 lb ft
Swing Speed	11.5 rpm	

Hydraulic System

Maximum Pressure – Implements	30 500 kPa	4,424 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	23 000 kPa	3,336 psi
Pilot System – Maximum Flow	21.1 L/min	5.57 gal/min
Pilot System – Maximum Pressure	4120 kPa	598 psi
Blade – Maximum Flow	47 L/min	12.42 gal/min
Blade System – Maximum Pressure	20 600 kPa	2,988 psi
Boom Cylinder – Bore	110 mm	4.3 in
Boom Cylinder – Stroke	1000 mm	39.4 in
Stick Cylinder – Bore	120 mm	4.7 in
Stick Cylinder – Stroke	1197 mm	47.1 in
Bucket Cylinder – Bore	100 mm	3.9 in
Bucket Cylinder – Stroke	939 mm	37 in

Service Refill Capacities

Fuel Tank	186 L	49 gal
Cooling System	18 L	5 gal
Engine Oil	19 L	5 gal
Swing Drive (each)	3 L	1 gal
Final Drive (Each)	3 L	1 gal
Hydraulic System (Including Tank)	160 L	42 gal
Hydraulic Tank	120 L	32 gal

Sound Performance

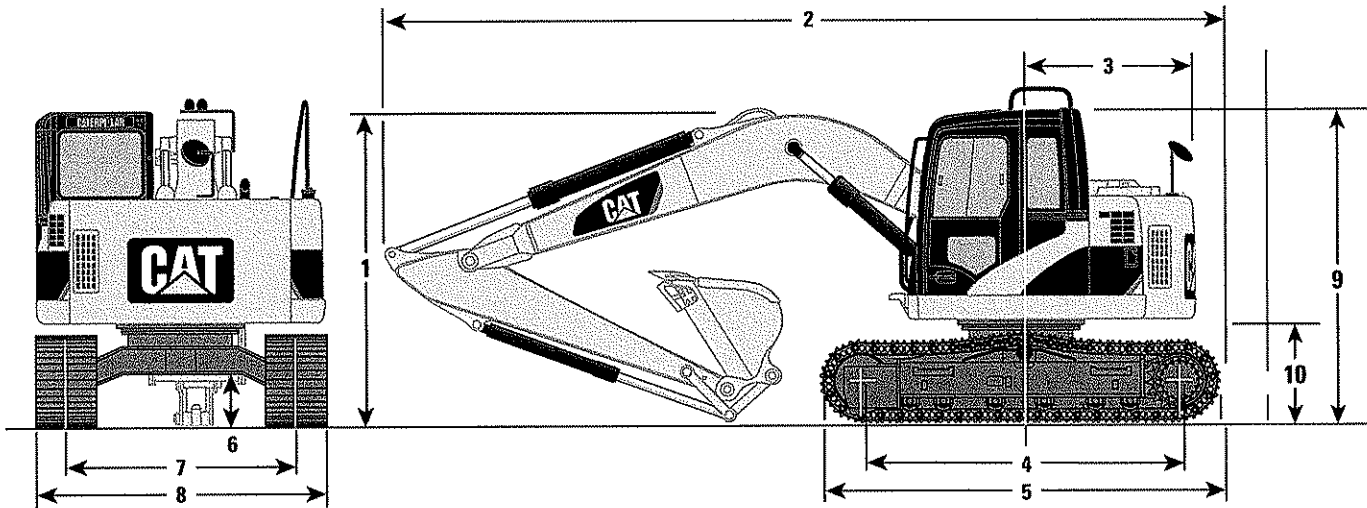
Performance	ANSI/SAE J1166 OCT98
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- When properly installed and maintained, the cab offered by Caterpillar, when tested with doors and windows closed according to ANSI/SAE J1166 OCT 98, meets OSHA and MSHA requirements for operator sound exposure limits in effect at time of manufacture.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in noisy environment.

314D CR/314D LCR Hydraulic Excavator Specifications

Dimensions

All dimensions are approximate.



Boom Options	Reach	Reach	Reach
Stick Options	2.5 m (8'2")	2.8 m (9'2")	3.0 m (9'10")
1 Shipping Height	2910 mm (9'7")	3030 mm (9'11")	2910 mm (9'7")
2 Shipping Length	7270 mm (23'10")	7390 mm (24'3")	7410 mm (24'4")
3 Tail Swing Radius (with standard counterweight)	1480 mm (4'10")	1480 mm (4'10")	1480 mm (4'10")
4 Length to Center of Rollers			
314D CR	2780 mm (9'1")	2780 mm (9'1")	2780 mm (9'1")
314D LCR	3040 mm (10'0")	3040 mm (10'0")	3040 mm (10'0")
5 Track Length			
314D CR	3490 mm (11'5")	3490 mm (11'5")	3490 mm (11'5")
314D LCR	3750 mm (12'4")	3750 mm (12'4")	3750 mm (12'4")
6 Ground Clearance	430 mm (1'5")	430 mm (1'5")	430 mm (1'5")
7 Track Gauge			
314D CR	1990 mm (6'6")	1990 mm (6'6")	1990 mm (6'6")
314D LCR	1990 mm (6'6")	1990 mm (6'6")	1990 mm (6'6")
8 Transport Width	500 mm (20") Shoes	600 mm (24") Shoes	700 mm (28") Shoes
314D CR	2490 mm (8'2")	2590 mm (8'6")	2690 mm (8'10")
314D LCR	2490 mm (8'2")	2590 mm (8'6")	2690 mm (8'10")
9 Cab Height	2730 mm (8'11")	2730 mm (8'11")	2730 mm (8'11")
10 Counterweight Clearance	895 mm (2'11")	895 mm (2'11")	895 mm (2'11")

Operating Weights (with standard counterweight)

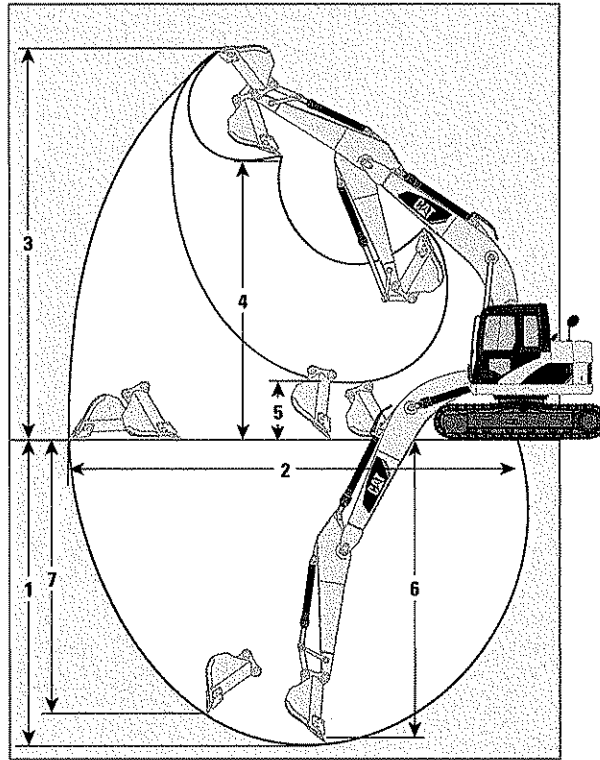
Caterpillar designed and built track-type undercarriage.

Track Width		Operating Weight 2.5 m (8'2")		Operating Weight 2.8 m (9'2")		Operating Weight 3.0 m (9'10")		
314D CR	500 mm (20") triple grouser	14 000 kg	30,865 lb	14 000 kg	30,865 lb	14 000 kg	30,865 lb	
	600 mm (24") triple grouser	14 200 kg	31,306 lb	14 200 kg	31,306 lb	14 200 kg	31,306 lb	
	700 mm (28") triple grouser	14 400 kg	31,747 lb	14 500 kg	31,967 lb	14 500 kg	31,967 lb	
		Blade: add						
	500 mm (20") triple grouser	w/Blade	14 800 kg	32,628 lb	14 800 kg	32,628 lb	14 800 kg	32,628 lb
	600 mm (24") triple grouser	w/Blade	15 000 kg	33,069 lb	15 000 kg	33,069 lb	15 100 kg	33,290 lb
	700 mm (28") triple grouser	w/Blade	15 300 kg	33,731 lb	15 300 kg	33,731 lb	15 300 kg	33,731 lb
			0.52 m ³ bucket		0.40 m ³ bucket		0.40 m ³ bucket	
314D LCR	500 mm (20") triple grouser	14 100 kg	31,085 lb	14 100 kg	31,085 lb	14 100 kg	31,085 lb	
	600 mm (24") triple grouser	14 300 kg	31,526 lb	14 400 kg	31,747 lb	14 400 kg	31,747 lb	
	700 mm (28") triple grouser	14 600 kg	32,187 lb	14 600 kg	32,187 lb	14 600 kg	32,187 lb	
		Blade: add						
	500 mm (20") triple grouser	w/Blade	14 900 kg	32,849 lb	14 900 kg	32,849 lb	14 900 kg	32,849 lb
	600 mm (24") triple grouser	w/Blade	15 200 kg	33,510 lb	15 200 kg	33,510 lb	15 200 kg	33,510 lb
	700 mm (28") triple grouser	w/Blade	15 400 kg	33,951 lb	15 400 kg	33,951 lb	15 500 kg	34,172 lb
			0.52 m ³ bucket		0.40 m ³ bucket		0.40 m ³ bucket	

314D CR/314D LCR Hydraulic Excavator Specifications

Working Ranges

All dimensions are approximate.



Boom	Reach 4.65 m (15'3")	Reach 4.65 m (15'3")	Reach 4.65 m (15'3")
Stick	2.5 m (8'2")*	2.8 m (9'2")*	3.0 m (9'10")*
Bucket	0.52 m ³ (0.68 yd ³)	0.40 m ³ (0.53 yd ³)	0.40 m ³ (0.53 yd ³)
1 Maximum Digging Depth	5440 mm (17'10")	5740 mm (18'10")	5940 mm (19'6")
2 Maximum Reach at Ground Level	8180 mm (26'10")	8440 mm (27'8")	8630 mm (28'4")
3 Maximum Cutting Height	9300 mm (30'6")	9470 mm (31'1")	9630 mm (31'7")
4 Maximum Loading Height	6870 mm (22'6")	7040 mm (23'1")	7200 mm (23'7")
5 Minimum Loading Height	2510 mm (8'3")	2250 mm (7'5")	2060 mm (6'9")
6 Maximum Depth Cut for 2440 m (8'0") Level Bottom	5240 mm (17'2")	5550 mm (18'3")	5760 mm (18'11")
7 Maximum Vertical Wall Digging Depth	4910 mm (16'1")	5080 mm (16'8")	5280 mm (17'4")
Minimum Front Swing Radius	1980 mm (6'6")	2160 mm (7'1")	2230 mm (7'4")
Stick Digging Force (SAE)	64 kN (14,400 lbf)	60 kN (13,500 lbf)	57 kN (12,800 lbf)
Bucket Digging Force (SAE)	85 kN (19,100 lbf)	85 kN (19,100 lbf)	85 kN (19,100 lbf)

* Measurements shown are for machines equipped with the 0.52 m³ (0.68 yd³) buckets.

Buckets

Buckets have tapered sides, angled corner teeth, dual radius curvature, horizontal wear strips and holes for optional side cutters.

Recommended Maximum Material Density

Width		Capacity		2.5 m (8'2") Stick		2.8 m (9'2") Stick		3.0 m (9'10") Stick	
mm	in	m ³	yd ³	kg/m ³	lb/yd ³	kg/m ³	lb/yd ³	kg/m ³	lb/yd ³
598	24	0.30	0.39	1800	3,050	1800	3,050	1800	3,050
748	30	0.40	0.52	1800	3,050	1800	3,050	1800	3,050
903	36	0.52	0.68	1800	3,050	1800	3,050	1500	2,550
1055	42	0.63	0.82	1500	2,550	1200	2,000	1200	2,000
1206	48	0.74	0.97	1200	2,000	1200	2,000	900	1,500

Material Densities

Material	kg/m ^{3*}	lb/yd ^{3**}	Material	kg/m ^{3*}	lb/yd ^{3**}
Clay, dry	1480	2,500	Gravel, pit run	1930	3,250
Clay, wet	1660	2,800	Rock/dirt, 50%	1720	2,900
Earth, dry	1510	2,550	Sand, dry	1420	2,400
Earth, wet	1600	2,700	Sand, wet	1840	3,100
Loam	1250	2,100	Sand & Clay	1600	2,700
Gravel, dry	1510	2,550	Stone, crushed	1600	2,700
Gravel, wet	2020	3,400	Top soil	950	1,600

* kilograms per loose cubic meter

** pounds per loose cubic yard

For densities of other materials see Caterpillar Performance Handbook.

Undercarriage

Caterpillar designed and built track-type undercarriage.

Track Width	Ground Pressure	
	314D CR	314D LCR
500 mm (20") triple grouser	45.3 kPa (6.6 psi)	42.1 kPa (6.1 psi)
600 mm (24") triple grouser	38.4 kPa (5.6 psi)	35.7 kPa (5.2 psi)
700 mm (28") triple grouser	33.5 kPa (4.9 psi)	31.2 kPa (4.5 psi)

With standard counterweight, 0.4 m³ (0.52 yd³) bucket.

Track Width	Ground Pressure	
	314D CR	314D LCR
500 mm (20") triple grouser	47.0 kPa (6.8 psi)	43.6 kPa (6.3 psi)
600 mm (24") triple grouser	39.8 kPa (5.8 psi)	37.0 kPa (5.4 psi)
700 mm (28") triple grouser	34.6 kPa (5.1 psi)	32.3 kPa (4.7 psi)

With optional counterweight, 0.4 m³ (0.52 yd³) bucket.

314D CR/314D LCR Hydraulic Excavator Specifications

314D CR Reach Boom Lift Capacities**



Load Point Height



Load at Maximum Reach



Load Radius Over Front

















Load Radius Over Side

R3.0 (LONG) STICK – 3.0 m (9'10")
BUCKET – 0.40 m³ (0.53 yd³)

UNDERCARRIAGE – Standard
SHOES – 600 mm (24") triple grouser

BOOM – Reach 4.65 m (15'3")
BLADE – Without Blade

	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)				m ft	
														
7.5 m 25.0 ft	kg lb				*1500 *3,050	*1500 *3,050						*1300 *2,750	*1300 *2,750	5.24 16.73
6.0 m 20.0 ft	kg lb				*2400 *5,150	*2400 *5,150	*2050 *4,350	*2050 *4,350				*1500 *3,350	*1500 *3,350	6.51 21.15
4.5 m 15.0 ft	kg lb				*3100 *6,750	*3100 *6,750	*2900 *6,350	2200 4,650				*1450 *3,200	*1450 *3,200	7.30 23.87
3.0 m 10.0 ft	kg lb			*4700 *9,700	*4700 *9,700	*3900 *8,400	3350 7,250	3050 6,500	2100 4,450	2050 *4,350	1350 2,900	*1450 *3,200	1250 2,750	7.77 25.46
1.5 m 5.0 ft	kg lb					4600 9,850	3050 6,550	2900 6,200	1950 4,150	2000 4,250	1300 2,800	*1550 *3,350	1150 2,550	7.95 26.08
Ground Line	kg lb			*5300 *12,350	5300 11,350	4350 9,300	2850 6,100	2750 5,900	1850 3,900	1950 4,150	1250 2,700	*1700 *3,700	1200 2,550	7.80 25.6
-1.5 m -5.0 ft	kg lb	*3850 *8,600	*3850 *8,600	*7150 *15,750	5250 11,250	4250 9,100	2750 5,900	2700 5,800	1750 3,750			2000 4,400	1300 2,850	7.32 23.99
-3.0 m -10.0 ft	kg lb	*5850 *12,800	*5850 *12,800	*5600 *12,000	5350 11,450	*4100 *8,750	2750 5,900	2700 5,850	1800 3,800			*2350 *5,150	1600 3,550	6.42 20.95
-4.5 m -15.0 ft	kg lb					*1950 *3,750	*1950 *3,750					*1600 *3,450	*1600 *3,450	4.86 15.38















*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

**Machine equipped with standard counterweight.

R3.0 (LONG) STICK – 3.0 m (9'10")
BUCKET – 0.40 m³ (0.53 yd³)

UNDERCARRIAGE – Standard
SHOES – 600 mm (24") triple grouser

BOOM – Reach 4.65 m (15'3")
BLADE – Hold

	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)				m ft	
														
7.5 m 25.0 ft	kg lb				*1500 *3,050	*1500 *3,050						*1300 *2,750	*1300 *2,750	5.24 16.73
6.0 m 20.0 ft	kg lb				*2400 *5,150	*2400 *5,150	*2050 *4,350	*2050 *4,350				*1500 *3,350	*1500 *3,350	6.51 21.15
4.5 m 15.0 ft	kg lb				*3100 *6,750	*3100 *6,750	*2900 *6,350	2600 5,500				*1450 *3,200	*1450 *3,200	7.30 23.87
3.0 m 10.0 ft	kg lb			*4700 *9,700	*4700 *9,700	*3900 *8,400	*3900 *8,400	*3200 *6,950	2450 5,300	*2300 *4,350	1650 3,500	*1450 *3,200	*1450 *3,200	7.77 25.46
1.5 m 5.0 ft	kg lb					*4800 *10,400	3650 7,850	*3550 *7,700	2350 5,000	*2900 *5,850	1600 3,400	*1550 *3,350	1450 3,150	7.95 26.08
Ground Line	kg lb			*5300 *12,350	*5300 12,050	*5250 *11,400	3450 7,350	*3800 *8,150	2200 4,750	*2850 *5,550	1550 3,350	*1700 *3,700	1450 3,200	7.80 25.6
-1.5 m -5.0 ft	kg lb	*3850 *8,600	*3850 *8,600	*7150 *15,750	6450 13,800	*5050 *10,900	3350 7,150	*3600 *7,750	2150 4,600			2000 *4,400	1600 3,500	7.32 23.99
-3.0 m -10.0 ft	kg lb	*5850 *12,800	*5850 *12,800	*5600 *12,000	*5600 *12,000	*4100 *8,750	3350 7,200	*2800 *5,850	2150 4,650			*2350 *5,150	2000 4,350	6.42 20.95
-4.5 m -15.0 ft	kg lb					*1950 *3,750	*1950 *3,750					*1600 *3,450	*1600 *3,450	4.86 15.38

*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

**Machine equipped with standard counterweight.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

314D CR Reach Boom Lift Capacities**



Load Point Height



Load at Maximum Reach



Load Radius Over Front

















Load Radius Over Side

R3.0 (LONG) STICK – 3.0 m (9'10")
BUCKET – 0.40 m³ (0.53 yd³)

UNDERCARRIAGE – Standard
SHOES – 700 mm (28") triple grouser

BOOM – Reach 4.65 m (15'3")
BLADE – Without Blade

	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)				m ft
													
7.5 m 25.0 ft	kg lb				*1500 *3,050	*1500 *3,050					*1300 *2,750	*1300 *2,750	5.24 16.73
6.0 m 20.0 ft	kg lb				*2400 *5,150	*2400 *5,150	*2050 *4,350	*2050 *4,350			*1500 *3,350	*1500 *3,350	6.51 21.15
4.5 m 15.0 ft	kg lb				*3100 *6,750	*3100 *6,750	*2900 *6,350	2200 4,700			*1450 *3,200	*1450 *3,200	7.30 23.87
3.0 m 10.0 ft	kg lb		*4700 *9,700	*4700 *9,700	*3900 *8,400	3450 7,350	3100 6,600	2100 4,500	2100 *4,350	1400 2,950	*1450 *3,200	1300 2,850	7.77 25.46
1.5 m 5.0 ft	kg lb				4650 10,000	3100 6,700	2950 6,300	2000 4,250	2050 4,350	1350 2,850	*1550 *3,350	1200 2,600	7.95 26.08
Ground Line	kg lb		*5300 *12,350	*5300 11,550	4400 9,450	2900 6,200	2800 6,050	1850 4,000	2000 4,250	1300 2,750	*1700 *3,700	1200 2,650	7.80 25.6
-1.5 m -5.0 ft	kg lb	*3850 *8,600	*3850 *8,600	*7150 *15,750	5350 11,450	4300 9,250	2800 6,000	2750 5,900	1800 3,850		*2000 *4,400	1350 2,900	7.32 23.99
-3.0 m -10.0 ft	kg lb	*5850 *12,800	*5850 *12,800	*5600 *12,000	5450 11,650	*4100 *8,750	2800 6,050	2750 *5,850	1800 3,900		*2350 *5,150	1650 3,650	6.42 20.95
-4.5 m -15.0 ft	kg lb					*1950 *3,750	*1950 *3,750				*1600 *3,450	*1600 *3,450	4.86 15.38















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**Machine equipped with standard counterweight.

R3.0 (LONG) STICK – 3.0 m (9'10")
BUCKET – 0.40 m³ (0.53 yd³)

UNDERCARRIAGE – Standard
SHOES – 700 mm (28") triple grouser

BOOM – Reach 4.65 m (15'3")
BLADE – Hold

	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)				m ft
													
7.5 m 25.0 ft	kg lb				*1500 *3,050	*1500 *3,050					*1300 *2,750	*1300 *2,750	5.24 16.73
6.0 m 20.0 ft	kg lb				*2400 *5,150	*2400 *5,150	*2050 *4,350	*2050 *4,350			*1500 *3,350	*1500 *3,350	6.51 21.15
4.5 m 15.0 ft	kg lb				*3100 *6,750	*3100 *6,750	*2900 *6,350	2700 5,700			*1450 *3,200	*1450 *3,200	7.30 23.87
3.0 m 10.0 ft	kg lb		*4700 *9,700	*4700 *9,700	*3900 *8,400	*3900 *8,400	*3200 *6,950	2600 5,800	*2300 *4,350	1750 3,700	*1450 *3,200	*1450 *3,200	7.77 25.46
1.5 m 5.0 ft	kg lb				*4800 *10,400	3800 8,200	*3550 *7,700	2450 5,200	*2900 *5,850	1700 3,550	*1550 *3,350	1500 3,300	7.95 26.08
Ground Line	kg lb		*5300 *12,350	*5300 12,300	*5250 *11,400	3600 7,700	*3800 *8,150	2300 4,950	*2850 *5,550	1650 3,450	*1700 *3,700	1550 3,350	7.80 25.6
-1.5 m -5.0 ft	kg lb	*3850 *8,600	*3850 *8,600	*7150 *15,750	6750 14,450	*5050 *10,900	3500 7,500	*3600 *7,750	2250 4,850		*2000 *4,400	1650 3,650	7.32 23.99
-3.0 m -10.0 ft	kg lb	*5850 *12,800	*5850 *12,800	*5600 *12,000	*5600 *12,000	*4100 *8,750	3500 7,550	*2800 *5,850	2300 4,900		*2350 *5,150	2050 4,550	6.42 20.95
-4.5 m -15.0 ft	kg lb					*1950 *3,750	*1950 *3,750				*1600 *3,450	*1600 *3,450	4.86 15.38

*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

**Machine equipped with standard counterweight.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

314D CR/314D LCR Hydraulic Excavator Specifications

314D CR Reach Boom Lift Capacities**



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

R2.8 (SEMI-LONG) STICK – 2.8 m (9'2")
BUCKET – 0.40 m³ (0.53 yd³)

UNDERCARRIAGE – Standard
SHOES – 600 mm (24") triple grouser

BOOM – Reach 4.65 m (15'3")
BLADE – Without Blade

Load Point Height	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		m ft		
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	
7.5 m 25.0 ft	kg lb				*1450	*1450					*1300 *2,750	*1300 *2,750	4.94 15.72
6.0 m 20.0 ft	kg lb				*2450 *5,150	*2450 *5,150	*2050	*2050			*1650 *3,650	*1650 *3,650	6.28 20.38
4.5 m 15.0 ft	kg lb				*3300 *7,150	*3300 *7,150	*3000 *6,600	2150 4,600			*1600 *3,500	1550 3,400	7.10 23.19
3.0 m 10.0 ft	kg lb		*5850 *12,450	*5850 *12,450	*4050 *8,750	3350 7,150	3000 6,450	2050 4,400			*1600 *3,500	1350 2,900	7.58 24.83
1.5 m 5.0 ft	kg lb				4550 9,800	3050 6,550	2900 6,150	1950 4,150	2000	1300	*1700 *3,650	1250 2,700	7.76 25.46
Ground Line	kg lb		*5000 *11,650	*5000 11,350	4350 9,300	2850 6,100	2750 5,900	1850 3,900			*1850 *4,100	1250 2,700	7.61 24.97
-1.5 m -5.0 ft	kg lb	*3900 *8,850	*3900 *8,850	*6350 *14,600	5300 11,350	4250 9,100	2750 5,900	1800 3,800			2100 4,600	1350 3,000	7.12 23.31
-3.0 m -10.0 ft	kg lb			*5250 *11,250	*5250 *11,250	*3950 *8,400	2800 6,000	*2600	1800		*2400 *5,150	1750 3,850	6.18 20.15

*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

**Machine equipped with standard counterweight.

R2.8 (SEMI-LONG) STICK – 2.8 m (9'2")
BUCKET – 0.40 m³ (0.53 yd³)

UNDERCARRIAGE – Standard
SHOES – 600 mm (24") triple grouser

BOOM – Reach 4.65 m (15'3")
BLADE – Hold

Load Point Height	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		m ft		
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	
7.5 m 25.0 ft	kg lb				*1450	*1450					*1300 *2,750	*1300 *2,750	4.94 15.72
6.0 m 20.0 ft	kg lb				*2450 *5,150	*2450 *5,150	*2050	*2050			*1650 *3,650	*1650 *3,650	6.28 20.38
4.5 m 15.0 ft	kg lb				*3300 *7,150	*3300 *7,150	*3000 *6,600	2550 5,450			*1600 *3,500	*1600 *3,500	7.10 23.19
3.0 m 10.0 ft	kg lb		*5850 *12,450	*5850 *12,450	*4050 *8,750	3950 8,500	*3300 *7,150	2450 5,250			*1600 *3,500	*1600 *3,500	7.58 24.83
1.5 m 5.0 ft	kg lb				*4950 *10,650	3650 7,800	*3650 *7,850	2350 5,000	*2750	1600	*1700 *3,650	1500 3,200	7.76 25.46
Ground Line	kg lb		*5000 *11,650	*5000 *11,650	*5300 *11,450	3450 7,350	*3800 *8,200	2200 4,750			*1850 *4,100	1550 3,350	7.61 24.97
-1.5 m -5.0 ft	kg lb	*3900 *8,850	*3900 *8,850	*6350 *14,600	*6350 13,900	*4950 *10,750	3350 7,200	*3550 *7,650	2150 4,650		*2200 *4,850	1700 3,700	7.12 23.31
-3.0 m -10.0 ft	kg lb			*5250 *11,250	*5250 *11,250	*3950 *8,400	3400 7,250	*2600	2200		*2400 *5,150	2100 4,700	6.18 20.15

*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

**Machine equipped with standard counterweight.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

314D CR Reach Boom Lift Capacities**



Load Point
Height



Load at
Maximum Reach



Load Radius
Over Front

















Load Radius
Over Side

R2.8 (SEMI-LONG) STICK – 2.8 m (9'2")
BUCKET – 0.40 m³ (0.53 yd³)

UNDERCARRIAGE – Standard
SHOES – 700 mm (28") triple grouser

BOOM – Reach 4.65 m (15'3")
BLADE – Without Blade

	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)				m ft	
														
7.5 m 25.0 ft	kg lb				*1450	*1450						*1300 *2,750	*1300 *2,750	4.94 15.72
6.0 m 20.0 ft	kg lb				*2450 *5,150	*2450 *5,150	*2050	*2050				*1650 *3,650	*1650 *3,650	6.28 20.38
4.5 m 15.0 ft	kg lb				*3300 *7,150	*3300 *7,150	*3000 *6,600	2200 4,700				*1600 *3,500	1600 3,500	7.10 23.19
3.0 m 10.0 ft	kg lb			*5850 *12,450	*5850 *12,450	*4050 *8,750	3400 7,300	3100 6,600	2100 4,500			*1600 *3,500	1350 3,000	7.58 24.83
1.5 m 5.0 ft	kg lb					4650 9,950	3100 6,650	2950 6,300	2000 4,200	2050	1350	*1700 *3,650	1250 2,750	7.76 25.46
Ground Line	kg lb			*5000 *11,650	*5000 11,550	4400 9,450	2900 6,200	2800 6,050	1850 4,000			*1850 *4,100	1250 2,750	7.61 24.97
-1.5 m -5.0 ft	kg lb	*3900 *8,850	*3900 *8,850	*6350 *14,600	5400 11,550	4350 9,300	2800 6,050	2750 5,950	1800 3,900			2150 4,700	1400 3,050	7.12 23.31
-3.0 m -10.0 ft	kg lb			*5250 *11,250	*5250 *11,250	*3950 *8,400	2850 6,100	*2600	1850			*2400 *5,150	1800 3,950	6.18 20.15















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**Machine equipped with standard counterweight.

R2.8 (SEMI-LONG) STICK – 2.8 m (9'2")
BUCKET – 0.40 m³ (0.53 yd³)

UNDERCARRIAGE – Standard
SHOES – 700 mm (28") triple grouser

BOOM – Reach 4.65 m (15'3")
BLADE – Hold

	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)				m ft	
														
7.5 m 25.0 ft	kg lb				*1450	*1450						*1300 *2,750	*1300 *2,750	4.94 15.72
6.0 m 20.0 ft	kg lb				*2450 *5,150	*2450 *5,150	*2050	*2050				*1650 *3,650	*1650 *3,650	6.28 20.38
4.5 m 15.0 ft	kg lb				*3300 *7,150	*3300 *7,150	*3000 *6,600	2650 5,700				*1600 *3,500	*1600 *3,500	7.10 23.19
3.0 m 10.0 ft	kg lb			*5850 *12,450	*5850 *12,450	*4050 *8,750	*4050 *8,750	*3300 *7,150	2550 5,500			*1600 *3,500	*1600 *3,500	7.58 24.83
1.5 m 5.0 ft	kg lb					*4950 *10,650	3800 8,150	*3650 *7,850	2450 5,200	*2750	1700	*1700 *3,650	1600 3,450	7.76 25.46
Ground Line	kg lb			*5000 *11,650	*5000 *11,650	*5300 *11,450	3600 7,700	*3800 *8,200	2300 4,950			*1850 *4,100	1600 3,500	7.61 24.97
-1.5 m -5.0 ft	kg lb	*3900 *8,850	*3900 *8,850	*6350 *14,600	*6350 14,550	*4950 *10,750	3500 7,500	*3550 *7,650	2250 4,850			*2200 *4,850	1750 3,850	7.12 23.31
-3.0 m -10.0 ft	kg lb			*5250 *11,250	*5250 *11,250	*3950 *8,400	3550 7,660	*2600	2300			*2400 *5,150	2200 4,900	6.18 20.15

*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

**Machine equipped with standard counterweight.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

314D CR/314D LCR Hydraulic Excavator Specifications

314D CR Reach Boom Lift Capacities**



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

R2.5 (MEDIUM) STICK – 2.5 m (8'2")
BUCKET – 0.52 m³ (0.68 yd³)

UNDERCARRIAGE – Standard
SHOES – 600 mm (24") triple grouser

BOOM – Reach 4.65 m (15'3")
BLADE – Without Blade

Load Point Height	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		Load Radius Over Front		m ft	
	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb		
7.5 m 25.0 ft									*1200	*1200	4.53	
									*2,550	*2,550	14.32	
6.0 m 20.0 ft					*2400	*2400			*1700	*1700	5.97	
					*5,050	*5,050			*3,700	*3,700	19.38	
4.5 m 15.0 ft					*3500	*3500	3100	2100	*1600	*1600	6.82	
					*7,600	*7,600	*6,500	*4,500	*3,550	*3,550	22.29	
3.0 m 10.0 ft			*6450	6300	*4250	3300	3000	2050	*1650	1400	7.32	
			*13,700	13,600	*9,200	7,050	6,400	4,350	*3,550	3,050	23.97	
1.5 m 5.0 ft					4500	3000	2850	1900	*1700	1300	7.51	
					9,700	6,450	6,100	4,100	*3,700	2,800	24.63	
Ground Line					4300	2800	2750	1800	*1900	1300	7.35	
					9,250	6,050	5,900	3,900	*4,100	2,850	24.12	
-1.5 m -5.0 ft	kg	*3800	*3800	*5500	5350	4250	2750	2700	1800	2250	1450	6.84
	lb	*8,600	*8,600	*12,300	11,450	9,150	5,950	5,800	3,800	4,900	3,200	22.39
-3.0 m -10.0 ft	kg			*4650	*4650	*3600	2800			*2300	1900	5.85
	lb			*10,000	*10,000	*7,650	6,050			*5,000	4,200	19.06

*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

**Machine equipped with standard counterweight.

R2.5 (MEDIUM) STICK – 2.5 m (8'2")
BUCKET – 0.52 m³ (0.68 yd³)

UNDERCARRIAGE – Standard
SHOES – 600 mm (24") triple grouser

BOOM – Reach 4.65 m (15'3")
BLADE – Hold

Load Point Height	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		Load Radius Over Front		m ft	
	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb		
7.5 m 25.0 ft									*1200	*1200	4.53	
									*2,550	*2,550	14.32	
6.0 m 20.0 ft					*2400	*2400			*1700	*1700	5.97	
					*5,050	*5,050			*3,700	*3,700	19.38	
4.5 m 15.0 ft					*3500	*3500	*3150	2500	*1600	*1600	6.82	
					*7,600	*7,600	*6,500	5,350	*3,550	*3,550	22.29	
3.0 m 10.0 ft			*6450	*6450	*4250	3900	*3400	2450	*1650	*1650	7.32	
			*13,700	*13,700	*9,200	8,350	*7,350	5,200	*3,550	*3,550	23.97	
1.5 m 5.0 ft					*5050	3600	*3700	2300	*1700	1600	7.51	
					*10,900	7,700	*8,000	4,950	*3,700	3,450	24.63	
Ground Line					*5300	3400	*3800	2200	*1900	1600	7.35	
					*11,450	7,350	*8,200	4,700	*4,100	3,500	24.12	
-1.5 m -5.0 ft	kg	*3800	*3800	*5500	*5500	*4850	3350	*3450	2150	*2250	1800	6.84
	lb	*8,600	*8,600	*12,300	12,150	*10,450	7,200	*7,400	4,650	*4,900	3,950	22.39
-3.0 m -10.0 ft	kg			*4650	*4650	*3600	3400			*2300	*2300	5.85
	lb			*10,000	*10,000	*7,650	7,300			*5,000	*5,000	19.06

*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

**Machine equipped with standard counterweight.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

314D CR Reach Boom Lift Capacities**



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

R2.5 (MEDIUM) STICK – 2.5 m (8'2")
BUCKET – 0.52 m³ (0.68 yd³)

UNDERCARRIAGE – Standard
SHOES – 700 mm (28") triple grouser

BOOM – Reach 4.65 m (15'3")
BLADE – Without Blade

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft
7.5 m 25.0 ft	kg lb									*1200 *2,550	*1200 *2,550	4.53 14.32
6.0 m 20.0 ft	kg lb					*2400 *5,050	*2400 *5,050			*1700 *3,700	*1700 *3,700	5.97 19.38
4.5 m 15.0 ft	kg lb					*3500 *7,600	*3500 *7,600	3150 *6,500	2150 4,600	*1600 *3,550	*1600 *3,550	6.82 22.29
3.0 m 10.0 ft	kg lb			*6450 *13,700	6400 *13,700	*4250 *9,200	3350 7,150	3050 6,500	2050 4,400	*1650 *3,550	1450 3,150	7.32 23.97
1.5 m 5.0 ft	kg lb					4600 9,850	3050 6,550	2900 6,250	1950 4,150	*1700 *3,700	1300 2,900	7.51 24.63
Ground Line	kg lb					4400 9,450	2900 6,150	2800 6,000	1850 3,950	*1900 *4,100	1350 2,900	7.35 24.12
-1.5 m -5.0 ft	kg lb	*3800 *8,600	*3800 *8,600	*5500 *12,300	5450 11,650	4350 9,300	2850 6,050	2750 5,950	1800 3,900	*2250 *4,900	1500 3,300	6.84 22.39
-3.0 m -10.0 ft	kg lb			*4650 *10,000	*4650 *10,000	*3600 *7,650	2850 6,150			*2300 *5,000	1950 4,300	5.85 19.06

*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

**Machine equipped with standard counterweight.

R2.5 (MEDIUM) STICK – 2.5 m (8'2")
BUCKET – 0.52 m³ (0.68 yd³)

UNDERCARRIAGE – Standard
SHOES – 700 mm (28") triple grouser

BOOM – Reach 4.65 m (15'3")
BLADE – Hoid

		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft
7.5 m 25.0 ft	kg lb									*1200 *2,550	*1200 *2,550	4.53 14.32
6.0 m 20.0 ft	kg lb					*2400 *5,050	*2400 *5,050			*1700 *3,700	*1700 *3,700	5.97 19.38
4.5 m 15.0 ft	kg lb					*3500 *7,600	*3500 *7,600	*3150 *6,500	2600 5,600	*1600 *3,550	*1600 *3,550	6.82 22.29
3.0 m 10.0 ft	kg lb			*6450 *13,700	*6450 *13,700	*4250 *9,200	4050 8,650	*3400 *7,350	2550 5,400	*1650 *3,550	*1650 *3,550	7.32 23.97
1.5 m 5.0 ft	kg lb					*5050 *10,900	3750 8,050	*3700 *8,000	2400 5,150	*1700 *3,700	1650 3,650	7.51 24.63
Ground Line	kg lb					*5300 *11,450	3550 7,650	*3800 *8,200	2300 4,950	*1900 *4,100	1700 3,700	7.35 24.12
-1.5 m -5.0 ft	kg lb	*3800 *8,600	*3800 *8,600	*5500 *12,300	*5500 *12,300	*4850 *10,450	3500 7,550	*3450 *7,400	2250 4,850	*2250 *4,900	1900 4,100	6.84 22.39
-3.0 m -10.0 ft	kg lb			*4650 *10,000	*4650 *10,000	*3600 *7,650	3550 7,650			*2300 *5,000	*2300 *5,000	5.85 19.06

*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

**Machine equipped with standard counterweight.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

314D CR/314D LCR Hydraulic Excavator Specifications

314D LCR Reach Boom Lift Capacities**



Load Point Height



Load at Maximum Reach



Load Radius Over Front

















Load Radius Over Side

R3.0 (LONG) STICK – 3.0 m (9'10")
BUCKET – 0.40 m³ (0.53 yd³)

UNDERCARRIAGE – Long
SHOES – 600 mm (24") triple grouser

BOOM – Reach 4.65 m (15'3")
BLADE – Without Blade

	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)				m ft	
														
7.5 m 25.0 ft	kg lb				*1500 *3,050	*1500 *3,050						*1300 *2,750	*1300 *2,750	5.24 16.73
6.0 m 20.0 ft	kg lb				*2400 *5,150	*2400 *5,150	*2050 *4,350	*2050 *4,350				*1500 *3,350	*1500 *3,350	6.51 21.15
4.5 m 15.0 ft	kg lb				*3100 *6,750	*3100 *6,750	*2900 *6,350	2200 4,700				*1450 *3,200	*1450 *3,200	7.30 23.87
3.0 m 10.0 ft	kg lb		*4700 *9,700	*4700 *9,700	*3900 *8,400	3400 7,300	*3200 *6,950	2100 4,500	*2300 *4,350	1400 2,900		*1450 *3,200	1300 2,800	7.77 25.46
1.5 m 5.0 ft	kg lb				*4800 *10,400	3100 6,650	3300 7,100	1950 4,200	2300 4,900	1350 2,800		*1550 *3,350	1200 2,600	7.95 26.08
Ground Line	kg lb		*5300 *12,350	*5300 11,450	5050 10,800	2850 6,150	3200 6,800	1850 3,950	2250 4,800	1300 2,700		*1700 *3,700	1200 2,600	7.80 25.60
-1.5 m -5.0 ft	kg lb	*3850 *8,600	*3850 *8,600	*7150 *15,750	5300 11,400	4950 10,550	2800 5,950	3100 6,700	1800 3,800			*2000 *4,400	1300 2,850	7.32 23.99
-3.0 m -10.0 ft	kg lb	*5850 *12,800	*5850 *12,800	*5600 *12,000	5400 11,550	*4100 *8,750	2800 6,000	*2800 *5,850	1800 3,850			*2350 *5,150	1650 3,600	6.42 20.95
-4.5 m -15.0 ft	kg lb					*1950 *3,750	*1950 *3,750					*1600 *3,450	*1600 *3,450	4.86 15.38















*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

**Machine equipped with standard counterweight.

R3.0 (LONG) STICK – 3.0 m (9'10")
BUCKET – 0.40 m³ (0.53 yd³)

UNDERCARRIAGE – Long
SHOES – 600 mm (24") triple grouser

BOOM – Reach 4.65 m (15'3")
BLADE – Hold

	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)				m ft	
														
7.5 m 25.0 ft	kg lb				*1500 *3,050	*1500 *3,050						*1300 *2,750	*1300 *2,750	5.24 16.73
6.0 m 20.0 ft	kg lb				*2400 *5,150	*2400 *5,150	*2050 *4,350	*2050 *4,350				*1500 *3,350	*1500 *3,350	6.51 21.15
4.5 m 15.0 ft	kg lb				*3100 *6,750	*3100 *6,750	*2900 *6,350	2600 5,550				*1450 *3,200	*1450 *3,200	7.30 23.87
3.0 m 10.0 ft	kg lb		*4700 *9,700	*4700 *9,700	*3900 *8,400	*3900 *8,400	*3200 *6,950	2500 5,350	*2300 *4,350	1700 3,550		*1450 *3,200	*1450 *3,200	7.77 25.46
1.5 m 5.0 ft	kg lb				*4800 *10,400	3700 8,000	*3550 *7,700	2350 5,050	*2900 *5,850	1650 3,450		*1550 *3,350	1450 3,200	7.95 26.08
Ground Line	kg lb		*5300 *12,350	*5300 12,200	*5250 *11,400	3500 7,450	*3800 *8,150	2250 4,800	*2850 *5,550	1600 3,350		*1700 *3,700	1500 3,250	7.80 25.60
-1.5 m -5.0 ft	kg lb	*3850 *8,600	*3850 *8,600	*7150 *15,750	6550 14,000	*5050 *10,900	3400 7,250	*3600 *7,750	2200 4,700			*2000 *4,400	1600 3,550	7.32 23.99
-3.0 m -10.0 ft	kg lb	*5850 *12,800	*5850 *12,800	*5600 *12,000	*5600 *12,000	*4100 *8,750	3400 7,300	*2800 *5,850	2200 4,750			*2350 *5,150	2000 4,450	6.42 20.95
-4.5 m -15.0 ft	kg lb					*1950 *3,750	*1950 *3,750					*1600 *3,450	*1600 *3,450	4.86 15.38

*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

**Machine equipped with standard counterweight.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

314D LCR Reach Boom Lift Capacities**



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

R3.0 (LONG) STICK – 3.0 m (9'10")
BUCKET – 0.40 m³ (0.53 yd³)

UNDERCARRIAGE – Long
SHOES – 700 mm (28") triple grouser

BOOM – Reach 4.65 m (15'3")
BLADE – Without Blade

Load Point Height	Unit	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		m ft		
		Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	kg	lb	
7.5 m 25.0 ft	kg lb					*1500 *3,050	*1500 *3,050					*1300 *2,750	*1300 *2,750	5.24 16.73
6.0 m 20.0 ft	kg lb					*2400 *5,150	*2400 *5,150	*2050 *4,350	*2050 *4,350			*1500 *3,350	*1500 *3,350	6.51 21.15
4.5 m 15.0 ft	kg lb					*3100 *6,750	*3100 *6,750	*2900 *6,350	2250 4,800			*1450 *3,200	*1450 *3,200	7.30 23.87
3.0 m 10.0 ft	kg lb			*4700 *9,700	*4700 *9,700	*3900 *8,400	3450 7,450	*3200 *6,950	2150 4,550	*2300 *4,350	1400 3,000	*1450 *3,200	1300 2,850	7.77 25.46
1.5 m 5.0 ft	kg lb					*4800 *10,400	3150 6,750	3400 7,250	2000 4,300	2350 5,000	1350 2,900	*1550 *3,350	1200 2,650	7.95 26.08
Ground Line	kg lb			*5300 *12,350	*5300 11,700	5150 11,000	2950 6,300	3250 6,950	1900 4,050	2300 4,900	1300 2,800	*1700 *3,700	1200 2,650	7.80 25.60
-1.5 m -5.0 ft	kg lb	*3850 *8,600	*3850 *8,600	*7150 *15,750	5400 11,600	5050 10,800	2850 6,100	3200 6,850	1850 3,900			*2000 *4,400	1350 2,950	7.32 23.99
-3.0 m -10.0 ft	kg lb	*5850 *12,800	*5850 *12,800	*5600 *12,000	5500 11,800	*4100 *8,750	2850 6,100	*2800 *5,850	1850 3,950			*2350 *5,150	1700 3,700	6.42 20.95
-4.5 m -15.0 ft	kg lb					*1950 *3,750	*1950 *3,750					*1600 *3,450	*1600 *3,450	4.86 15.38

*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

**Machine equipped with standard counterweight.

R3.0 (LONG) STICK – 3.0 m (9'10")
BUCKET – 0.40 m³ (0.53 yd³)

UNDERCARRIAGE – Long
SHOES – 700 mm (28") triple grouser

BOOM – Reach 4.65 m (15'3")
BLADE – Hold

Load Point Height	Unit	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		m ft		
		Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	kg	lb	
7.5 m 25.0 ft	kg lb					*1500 *3,050	*1500 *3,050					*1300 *2,750	*1300 *2,750	5.24 16.73
6.0 m 20.0 ft	kg lb					*2400 *5,150	*2400 *5,150	*2050 *4,350	*2050 *4,350			*1500 *3,350	*1500 *3,350	6.51 21.15
4.5 m 15.0 ft	kg lb					*3100 *6,750	*3100 *6,750	*2900 *6,350	2700 5,800			*1450 *3,200	*1450 *3,200	7.30 23.87
3.0 m 10.0 ft	kg lb			*4700 *9,700	*4700 *9,700	*3900 *8,400	*3900 *8,400	*3200 *6,950	2600 5,600	*2300 *4,350	1750 3,750	*1450 *3,200	*1450 *3,200	7.77 25.46
1.5 m 5.0 ft	kg lb					*4800 *10,400	3900 8,350	*3550 *7,700	2500 5,300	*2900 *5,850	1700 3,650	*1550 *3,350	*1550 *3,350	7.95 26.08
Ground Line	kg lb			*5300 *12,350	*5300 *12,350	*5250 *11,400	3650 7,800	*3800 *8,150	2350 5,050	*2850 *5,550	1650 3,550	*1700 *3,700	1550 3,400	7.80 25.60
-1.5 m -5.0 ft	kg lb	*3850 *8,600	*3850 *8,600	*7150 *15,750	6900 14,700	5050 10,800	3550 7,600	*3600 *7,750	2300 4,900			*2000 *4,400	1700 3,750	7.32 23.99
-3.0 m -10.0 ft	kg lb	*5850 *12,800	*5850 *12,800	*5600 *12,000	*5600 *12,000	*4100 *8,750	3550 7,650	*2800 *5,850	2300 4,950			*2350 *5,150	2100 4,650	6.42 20.95
-4.5 m -15.0 ft	kg lb					*1950 *3,750	*1950 *3,750					*1600 *3,450	*1600 *3,450	4.86 15.38

*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

**Machine equipped with standard counterweight.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

314D CR/314D LCR Hydraulic Excavator Specifications

314D LCR Reach Boom Lift Capacities**



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

R2.8 (SEMI-LONG) STICK – 2.8 m (9'2")
BUCKET – 0.40 m³ (0.53 yd³)

UNDERCARRIAGE – Long
SHOES – 600 mm (24") triple grouser

BOOM – Reach 4.65 m (15'3")
BLADE – Without Blade

Load Point Height	kg	lb	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		m ft		
			Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side			
7.5 m 25.0 ft							*1450	*1450					*1300 *2,750	*1300 *2,750	4.94 15.72
6.0 m 20.0 ft							*2450 *5,150	*2450 *5,150	*2050	*2050			*1650 *3,650	*1650 *3,650	6.28 20.38
4.5 m 15.0 ft							*3300 *7,150	*3300 *7,150	*3000 *6,600	2200 4,650			*1600 *3,500	1550 3,450	7.10 23.19
3.0 m 10.0 ft					*5850 *12,450	*5850 *12,450	*4050 *8,750	3350 7,250	*3300 *7,150	2100 4,450			*1600 *3,500	1350 2,950	7.58 24.83
1.5 m 5.0 ft							*4950 *10,650	3100 6,600	3300 7,100	1950 4,200	2300	1350	*1700 *3,650	1250 2,700	7.76 25.46
Ground Line					*5000 *11,650	*5000 11,450	5050 10,800	2850 6,150	3200 6,850	1850 3,950			*1850 *4,100	1250 2,750	7.61 24.97
-1.5 m -5.0 ft			*3900 *8,850	*3900 *8,850	*6350 *14,600	5350 11,450	4950 10,600	2800 6,000	3150 6,700	1800 3,850			*2200 *4,850	1400 3,050	7.12 23.31
-3.0 m -10.0 ft					*5250 *11,250	*5250 *11,250	*3950 *8,400	2800 6,050	*2600	1850			*2400 *5,150	1750 3,900	6.18 20.15

*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

**Machine equipped with standard counterweight.

R2.8 (SEMI-LONG) STICK – 2.8 m (9'2")
BUCKET – 0.40 m³ (0.53 yd³)

UNDERCARRIAGE – Long
SHOES – 600 mm (24") triple grouser

BOOM – Reach 4.65 m (15'3")
BLADE – Hold

Load Point Height	kg	lb	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		m ft		
			Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side			
7.5 m 25.0 ft							*1450	*1450					*1300 *2,750	*1300 *2,750	4.94 15.72
6.0 m 20.0 ft							*2450 *5,150	*2450 *5,150	*2050	*2050			*1650 *3,650	*1650 *3,650	6.28 20.38
4.5 m 15.0 ft							*3300 *7,150	*3300 *7,150	*3000 *6,600	2600 5,550			*1600 *3,500	*1600 *3,500	7.10 23.19
3.0 m 10.0 ft					*5850 *12,450	*5850 *12,450	*4050 *8,750	4000 8,600	*3300 *7,150	2500 5,350			*1600 *3,500	*1600 *3,500	7.58 24.83
1.5 m 5.0 ft							*4950 *10,650	3700 7,950	*3650 *7,850	2350 5,050	*2750	1650	*1700 *3,650	1550 3,350	7.76 25.46
Ground Line					*5000 *11,650	*5000 *11,650	*5300 *11,450	3500 7,450	*3800 *8,200	2250 4,800			*1850 *4,100	1550 3,400	7.61 24.97
-1.5 m -5.0 ft			*3900 *8,850	*3900 *8,850	*6350 *14,600	*6350 14,100	*4950 *10,750	3400 7,300	*3550 *7,650	2200 4,700			*2200 *4,850	1700 3,750	7.12 23.31
-3.0 m -10.0 ft					*5250 *11,250	*5250 *11,250	*3950 *8,400	3450 7,350	*2600	2250			*2400 *5,150	2150 4,750	6.18 20.15

*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

**Machine equipped with standard counterweight.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

314D LCR Reach Boom Lift Capacities**



Load Point Height



Load at Maximum Reach



Load Radius Over Front

















Load Radius Over Side

R2.8 (SEMI-LONG) STICK – 2.8 m (9'2")
BUCKET – 0.40 m³ (0.53 yd³)

UNDERCARRIAGE – Long
SHOES – 700 mm (28") triple grouser

BOOM – Reach 4.65 m (15'3")
BLADE – Without Blade

	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)				m ft	
														
7.5 m 25.0 ft	kg lb				*1450	*1450						*1300 *2,750	*1300 *2,750	4.94 15.72
6.0 m 20.0 ft	kg lb				*2450 *5,150	*2450 *5,150	*2050	*2050				*1650 *3,650	*1650 *3,650	6.28 20.38
4.5 m 15.0 ft	kg lb				*3300 *7,150	*3300 *7,150	*3000 *6,600	2250 4,750				*1600 *3,500	*1600 *3,500	7.10 23.19
3.0 m 10.0 ft	kg lb			*5850 *12,450	*5850 *12,450	*4050 *8,750	3450 7,350	*3300 *7,150	2150 4,550			*1600 *3,500	1400 3,000	7.58 24.83
1.5 m 5.0 ft	kg lb					*4950 *10,650	3150 6,750	3350 7,200	2000 4,250	2350	1350	*1700 *3,650	1300 2,800	7.76 25.46
Ground Line	kg lb			*5000 *11,650	*5000 *11,650	5150 11,000	2950 6,300	3250 6,950	1900 4,050			*1850 *4,100	1300 2,800	7.61 24.97
-1.5 m -5.0 ft	kg lb	*3900 *8,850	*3900 *8,850	*6350 *14,600	5450 11,700	*4950 *10,750	2850 6,100	3200 6,850	1850 3,950			*2200 *4,850	1400 3,100	7.12 23.31
-3.0 m -10.0 ft	kg lb			*5250 *11,250	*5250 *11,250	*3950 *8,400	2900 6,200	*2600	1850			*2400 *5,150	1800 4,000	6.18 20.15















*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

**Machine equipped with standard counterweight.

R2.8 (SEMI-LONG) STICK – 2.8 m (9'2")
BUCKET – 0.40 m³ (0.53 yd³)

UNDERCARRIAGE – Long
SHOES – 700 mm (28") triple grouser

BOOM – Reach 4.65 m (15'3")
BLADE – Hold

	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)				m ft	
														
7.5 m 25.0 ft	kg lb				*1450	*1450						*1300 *2,750	*1300 *2,750	4.94 15.72
6.0 m 20.0 ft	kg lb				*2450 *5,150	*2450 *5,150	*2050	*2050				*1650 *3,650	*1650 *3,650	6.28 20.38
4.5 m 15.0 ft	kg lb					*3300 *7,150	*3300 *7,150	*3000 *6,600	2700 5,750			*1600 *3,500	*1600 *3,500	7.10 23.19
3.0 m 10.0 ft	kg lb			*5850 *12,450	*5850 *12,450	*4050 *8,750	*4050 *8,750	*3300 *7,150	2600 5,550			*1600 *3,500	*1600 *3,500	7.58 24.83
1.5 m 5.0 ft	kg lb					*4950 *10,650	3850 8,300	*3650 *7,850	2450 5,300	*2750	1700	*1700 *3,650	1600 3,600	7.76 25.46
Ground Line	kg lb			*5000 *11,650	*5000 *11,650	*5300 *11,450	3650 7,800	*3800 *8,200	2350 5,050			*1850 *4,100	1650 3,550	7.61 24.97
-1.5 m -5.0 ft	kg lb	*3900 *8,850	*3900 *8,850	*6350 *14,600	*6350 *14,600	*4950 *10,750	3550 7,650	*3550 *7,650	2300 4,950			*2200 *4,850	1800 3,950	7.12 23.31
-3.0 m -10.0 ft	kg lb			*5250 *11,250	*5250 *11,250	*3950 *8,400	3600 7,700	*2600	2350			*2400 *5,150	2250 5,000	6.18 20.15

*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

**Machine equipped with standard counterweight.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

314D CR/314D LCR Hydraulic Excavator Specifications

314D LCR Reach Boom Lift Capacities**



Load Point Height



Load at Maximum Reach



Load Radius Over Front



Load Radius Over Side

R2.5 (MEDIUM) STICK – 2.5 m (8'2")
BUCKET – 0.52 m³ (0.68 yd³)

UNDERCARRIAGE – Long
SHOES – 600 mm (24") triple grouser

BOOM – Reach 4.65 m (15'3")
BLADE – Without Blade

Load Point Height	kg lb	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		m ft		
		Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	
7.5 m 25.0 ft										*1200 *2,550	*1200 *2,550	4.53 14.32
6.0 m 20.0 ft						*2400 *5,050	*2400 *5,050			*1700 *3,700	*1700 *3,700	5.97 19.38
4.5 m 15.0 ft						*3500 *7,600	*3500 7,600	*3150 *6,500	2150 4,550	*1600 *3,550	*1600 *3,550	6.82 22.29
3.0 m 10.0 ft				*6450 *13,700	6350 *13,700	*4250 *9,200	3300 7,100	*3400 7,300	2050 4,400	*1650 *3,550	1400 3,100	7.32 23.97
1.5 m 5.0 ft						*5050 *10,900	3050 6,500	3300 7,000	1950 4,150	*1700 *3,700	1300 2,850	7.51 24.63
Ground Line						5000 10,750	2850 6,100	3200 6,800	1850 3,950	*1900 *4,100	1300 2,900	7.35 24.12
-1.5 m -5.0 ft		*3800 *8,600	*3800 *8,600	*5500 *12,300	5400 11,550	*4850 *10,450	2800 6,000	3150 6,700	1800 3,850	*2250 *4,900	1500 3,250	6.84 22.39
-3.0 m -10.0 ft				*4650 *10,000	*4650 *10,000	*3600 *7,650	2850 6,100			*2300 *5,000	1950 4,250	5.85 19.06

*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

**Machine equipped with standard counterweight.

R2.5 (MEDIUM) STICK – 2.5 m (8'2")
BUCKET – 0.52 m³ (0.68 yd³)

UNDERCARRIAGE – Long
SHOES – 600 mm (24") triple grouser

BOOM – Reach 4.65 m (15'3")
BLADE – Hold

Load Point Height	kg lb	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		m ft		
		Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	
7.5 m 25.0 ft										*1200 *2,550	*1200 *2,550	4.53 14.32
6.0 m 20.0 ft						*2400 *5,050	*2400 *5,050			*1700 *3,700	*1700 *3,700	5.97 19.38
4.5 m 15.0 ft						*3500 *7,600	*3500 7,600	*3150 *6,500	2550 5,450	*1600 *3,550	*1600 *3,550	6.82 22.29
3.0 m 10.0 ft				*6450 *13,700	*6450 *13,700	*4250 *9,200	3950 8,450	*3400 *7,350	2450 5,250	*1650 *3,550	*1650 *3,550	7.32 23.97
1.5 m 5.0 ft						*5050 *10,900	3650 7,850	*3700 *8,000	2350 5,000	*1700 *3,700	1600 3,500	7.51 24.63
Ground Line						*5300 *11,450	3450 7,450	*3800 *8,200	2250 4,800	*1900 *4,100	1650 3,550	7.35 24.12
-1.5 m -5.0 ft		*3800 *8,600	*3800 *8,600	*5500 *12,300	*5500 *12,300	*4850 *10,450	3400 7,300	*3450 *7,400	2200 4,700	*2250 *4,900	1800 4,000	6.84 22.39
-3.0 m -10.0 ft				*4650 *10,000	*4650 *10,000	*3600 *7,650	3450 7,400			*2300 *5,000	*2300 *5,000	5.85 19.06

*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

**Machine equipped with standard counterweight.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

314D LCR Reach Boom Lift Capacities**



Load Point
Height



Load at
Maximum Reach



Load Radius
Over Front



Load Radius
Over Side

R2.5 (MEDIUM) STICK – 2.5 m (8'2")
BUCKET – 0.52 m³ (0.68 yd³)

UNDERCARRIAGE – Long
SHOES – 700 mm (28") triple grouser

BOOM – Reach 4.65 m (15'3")
BLADE – Without Blade

	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft	
7.5 m 25.0 ft	kg lb									*1200 *2,550	*1200 *2,550	4.53 14.32
6.0 m 20.0 ft	kg lb				*2400 *5,050	*2400 *5,050				*1700 *3,700	*1700 *3,700	5.97 19.38
4.5 m 15.0 ft	kg lb				*3500 *7,600	*3500 *7,600	*3150 *6,500	2200 4,650		*1600 *3,550	*1600 *3,550	6.82 22.29
3.0 m 10.0 ft	kg lb		*6450 *13,700	*6450 *13,700	*4250 *9,200	3350 7,250	*3400 *7,350	2100 4,450		*1650 *3,550	1450 3,150	7.32 23.97
1.5 m 5.0 ft	kg lb				*5050 *10,900	3100 6,650	3350 7,150	1950 4,200		*1700 *3,700	1350 2,950	7.51 24.63
Ground Line	kg lb				5100 10,950	2900 6,250	3250 6,950	1900 4,000		*1900 *4,100	1350 2,950	7.35 24.12
-1.5 m -5.0 ft	kg lb	*3800 *8,600	*3800 *8,600	*5500 *12,300	5500 11,800	*4850 *10,450	2850 6,150	3200 6,850	1850 3,950	*2250 *4,900	1500 3,350	6.84 22.39
-3.0 m -10.0 ft	kg lb			*4650 *10,000	*4650 *10,000	*3600 *7,650	2900 6,250			*2300 *5,000	1950 4,350	5.85 19.06

*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

**Machine equipped with standard counterweight.

R2.5 (MEDIUM) STICK – 2.5 m (8'2")
BUCKET – 0.52 m³ (0.68 yd³)

UNDERCARRIAGE – Long
SHOES – 700 mm (28") triple grouser

BOOM – Reach 4.65 m (15'3")
BLADE – Hold

	1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)				m ft	
7.5 m 25.0 ft	kg lb									*1200 *2,550	*1200 *2,550	4.53 14.32
6.0 m 20.0 ft	kg lb					*2400 *5,050	*2400 *5,050			*1700 *3,700	*1700 *3,700	5.97 19.38
4.5 m 15.0 ft	kg lb					*3500 *7,600	*3500 *7,600	*3150 *6,500	2650 5,650	*1600 *3,550	*1600 *3,550	6.82 22.29
3.0 m 10.0 ft	kg lb		*6450 *13,700	*6450 *13,700	*4250 *9,200	4100 8,800	*3400 *7,350	2550 5,500		*1650 *3,550	1550 3,400	7.32 23.97
1.5 m 5.0 ft	kg lb					*5050 *10,900	3800 8,200	*3700 *8,000	2450 5,250	*1700 *3,700	1450 3,150	7.51 24.63
Ground Line	kg lb					*5300 *11,450	3650 7,800	*3800 *8,200	2350 5,050	*1900 *4,100	1450 3,200	7.35 24.12
-1.5 m -5.0 ft	kg lb	*3800 *8,600	*3800 *8,600	*5500 *12,300	*5500 *12,300	*4850 *10,450	3600 7,650	*3450 *7,400	2300 4,950	*2250 *4,900	1650 3,600	6.84 22.39
-3.0 m -10.0 ft	kg lb			*4650 *10,000	*4650 *10,000	*3600 *7,650	*3600 *7,650			*2300 *5,000	2100 4,700	5.85 19.06

*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

**Machine equipped with standard counterweight.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

314D CR/314D LCR Standard Equipment

Standard equipment may vary. Consult your Caterpillar dealer for details

Alternator, 50 amp	• Filter/fluid change information	Mirrors (frame and cab)
Automatic engine speed control	• Level check for hydraulic oil, engine oil and coolant	Power train
Bolt-on Falling Object Guard System (FOGS) capability	• Warning messages	• Cat® C4.2 engine with ACERT® Technology
Cab	Light, interior	• 24-volt electric starter
• AM/FM radio, 24-volt	Literature holder	• Air intake heater
• Ashtray	Openable front windshield	• Water separator
• Coat hook	Openable skylight with sun shade	Radial seal air filter
• Beverage holder	Storage compartment	Undercarriage
• Economy mode	Travel control pedals with removable hand levers	• Idler section track guiding guards
• Horn	Door locks and cap locks with one-key security system	• Center section track guiding guards (for 314D LCR)
• Language display monitor (full graphic/full color display)	Light, storage box mounted (1)	• Track-type undercarriage with grease lubricated seals
• Clock		

314D CR/314D LCR Optional Equipment

Optional equipment may vary. Consult your Caterpillar dealer for details

Auxiliary hydraulics	Fine swing control	Secondary exit, rear window
Auxiliary hydraulic lines from boom and sticks	Front windshield guard	Stick and boom configurations
Bucket linkage	Hand control pattern changer	• 3.0 m (9'10") stick
Cab mounted working lights	Heavy-duty bottom guard	• 2.8 m (9'2") stick
Cab mounted working lights with time delay function	High ambient cooling system	• 2.5 m (8'2") stick
Cold weather start	Power supply 5A-12V	Swivel guard
Counterweight	Rain protector	Vandalism protection
	Right side boom lights	Water level indicator for water separator