

**QUESTIONNAIRE  
FOR  
BACKHOE LOADER**

(Bids must be accompanied by this questionnaire fully completed by bidder.)

1. Bidder \_\_\_\_\_

Make of the backhoe/loader \_\_\_\_\_ Model \_\_\_\_\_

2. Is the unit offered diesel engine driven integral type backhoe loader?  
\_\_\_\_\_ (Yes/No)

**3. Backhoe Loader:**

- A. Operating weight per specification (Section III.A.5.) \_\_\_\_\_ lbs.
- B. Wheel base \_\_\_\_\_ "
- C. Front tire size \_\_\_\_\_ Make \_\_\_\_\_
- D. Rear tire size \_\_\_\_\_ Make \_\_\_\_\_
- E. Net brake horsepower \_\_\_\_\_ hp @ \_\_\_\_\_ RPM
- F. Travel speed (maximum forward) \_\_\_\_\_ MPH
- G. Number of driven wheels \_\_\_\_\_ (two or four)

**Loader:**

- A. Lift capacity to full height \_\_\_\_\_ lbs.
- B. Breakout force \_\_\_\_\_ lbs.
- C. Bucket capacity \_\_\_\_\_ cu. yd.
- D. Dump clearance at full height, 45-degree dump \_\_\_\_\_ '
- E. Raising time to full height \_\_\_\_\_ seconds

**Backhoe:**

- A. Digging depth, 2 ft. flat bottom \_\_\_\_\_ '
- B. Swing arc \_\_\_\_\_ degrees
- C. Loading height \_\_\_\_\_ '
- D. Digging force, bucket cylinder \_\_\_\_\_ lbs.
- E. Boom lift capacity (per III.B of spec.) \_\_\_\_\_ lbs.
- F. Overall reach from swing point \_\_\_\_\_ '
- G. Is counterweight optional or standard for machines with standard dipperstick? \_\_\_\_\_ (optional/standard)
- H. If counterweight is optional, was published backhoe lift chart for machines with standard dipperstick determined with or without the counterweight installed? \_\_\_\_\_ (with/without)
- I. If published backhoe lift chart was determined with an optional counterweight installed, bidder is to provide with bid a lift chart certified by manufacturer showing backhoe lift values without optional counterweight installed. If this applies, is such lift chart included with bid? \_\_\_\_\_ (yes/no)

Bidder: \_\_\_\_\_

4. **Diesel Engine**

Make \_\_\_\_\_ Model \_\_\_\_\_

5. **Fuel Tank**

Capacity \_\_\_\_\_ gallons

6. **Transmission**

Type \_\_\_\_\_  
Number of forward speeds \_\_\_\_\_ Number of reverse speeds \_\_\_\_\_  
Is power reversing provided? \_\_\_\_\_ (Yes/No)

7. **Axles**

Front axle oscillation? \_\_\_\_\_ (Yes/No)  
Front axle rating (SAE J43) \_\_\_\_\_ lbs.  
Rear axle rating (SAE J43) \_\_\_\_\_ lbs.  
Differential lock \_\_\_\_\_ (Yes/No). If no, please explain: \_\_\_\_\_  
\_\_\_\_\_.

8. **Steering**

Power steering? \_\_\_\_\_ (Yes/No)

9. **Braking**

Does the braking system conform to SAE J1473? \_\_\_\_\_ (Yes/No)

10. **ROPS Cab**

Does ROPS cab conform to SAE J1040? \_\_\_\_\_ (Yes/No)

If ROPS canopy is furnished in lieu of ROPS cab, does canopy conform to SAE J1040? \_\_\_\_\_ (Yes/No)

11. **Bucket Controls**

Number of levers for: Loader \_\_\_\_\_  
Backhoe \_\_\_\_\_  
Stabilizers \_\_\_\_\_

12. **Buckets**

Type of loader bucket \_\_\_\_\_ (general purpose, multipurpose, etc.)  
Capacity of loader bucket \_\_\_\_\_ cu. yd.  
Is backhoe bucket "heavy duty"? \_\_\_\_\_ (Yes/No)  
Width of backhoe bucket \_\_\_\_\_ "