

Selecting a Tractor

For beginning Farmers

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MSU Extension

What could you do, if you had a.....?

- List the jobs
- What are required for your enterprise?
- What are the “would be nice to do” jobs?



LA525

KUBOTA

KUBOTA

KUBOTA











Finding the tractor that fits

- The right features
- The right size

Features - Tires and Wheels

- Turf
- Industrial
- Ag









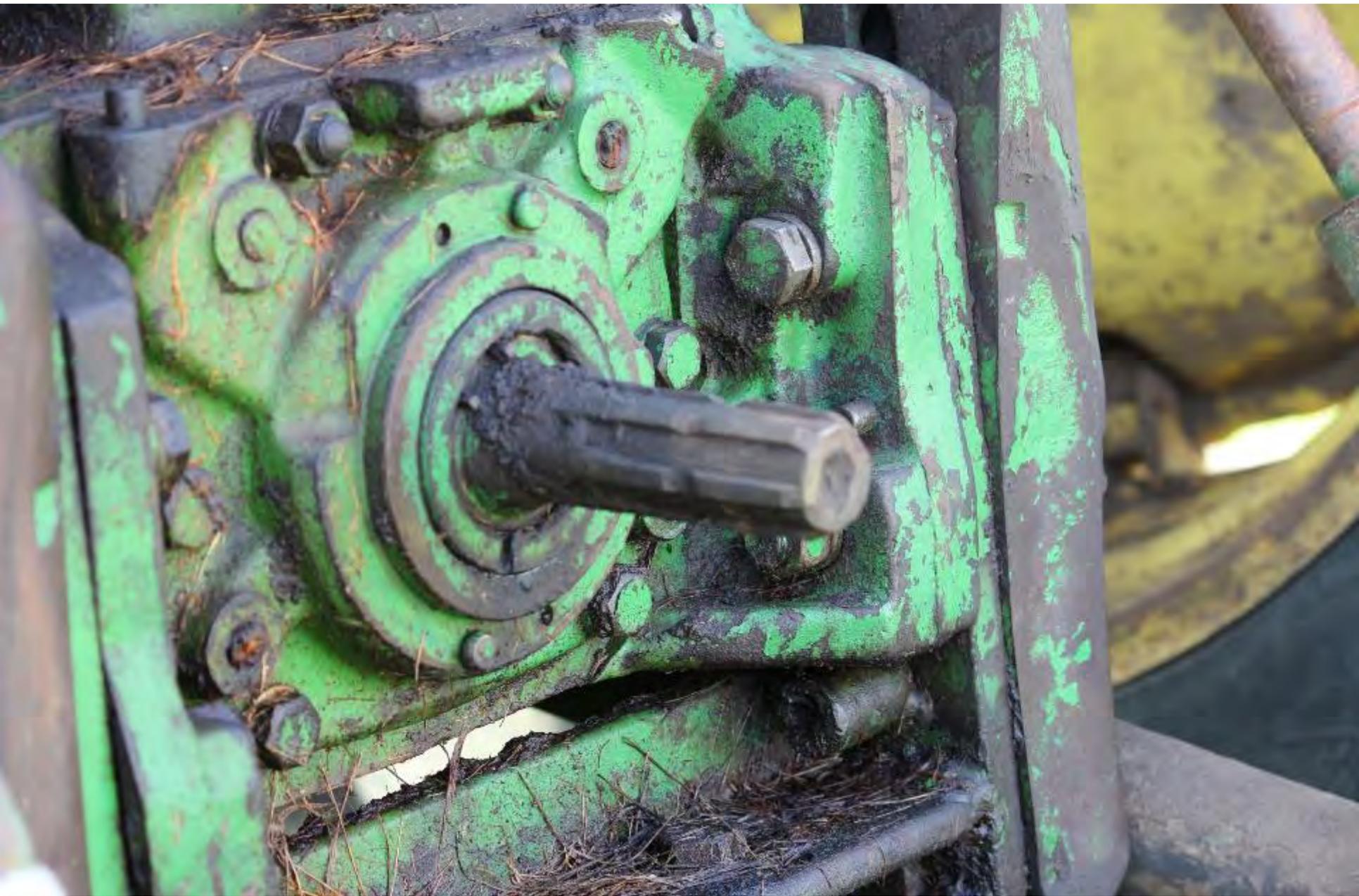




Features - PTO

- PTO = Power Take Off
- 540 rpm
- 1000 rpm
- Live vs transmission driven

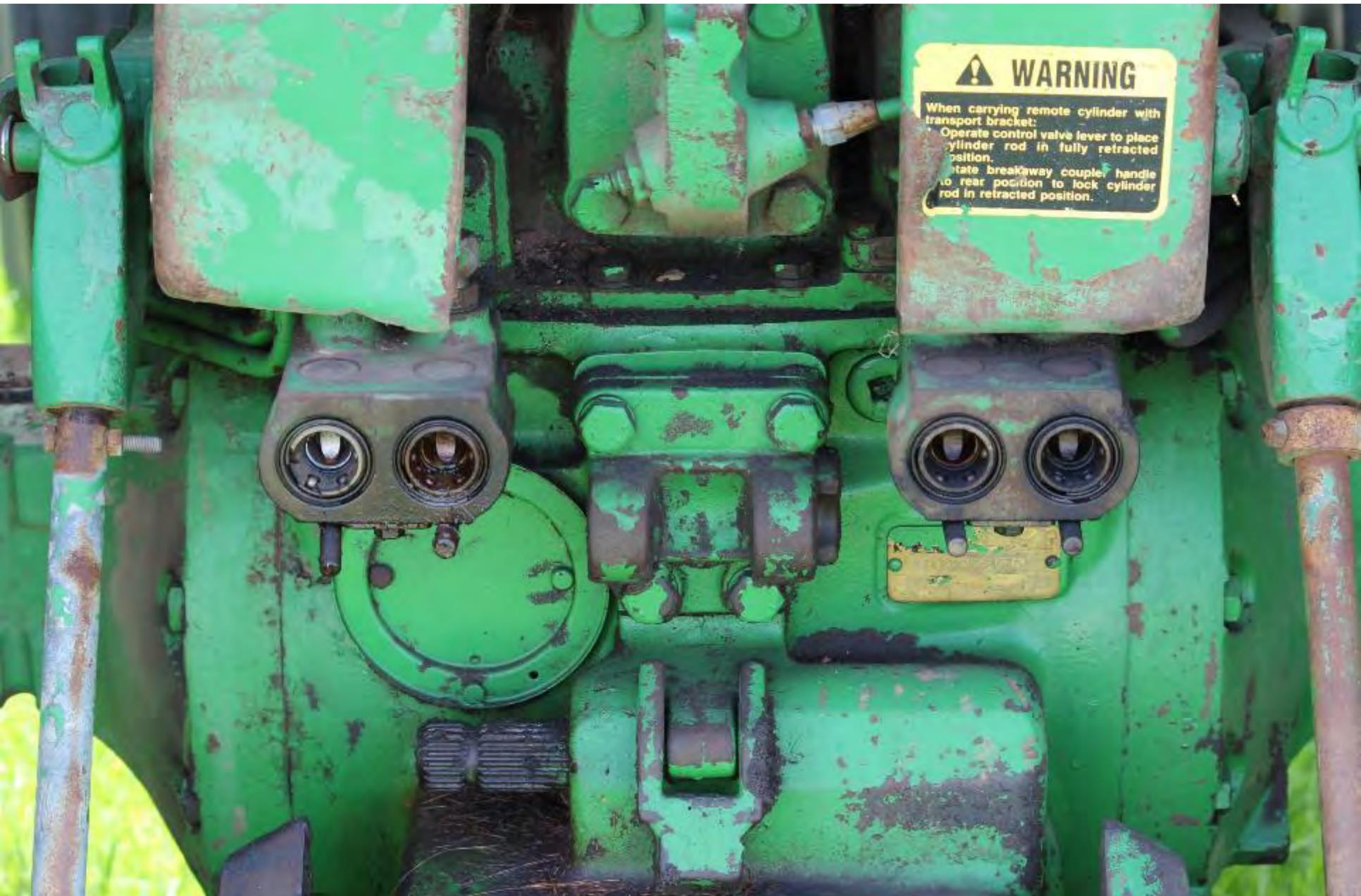






Hydraulics

- Pressure
- Volume



WARNING

When carrying remote cylinder with transport bracket:
• Operate control valve lever to place cylinder rod in fully retracted position.
• Rotate breakaway coupler handle to rear position to lock cylinder rod in retracted position.





KUBOTA

KUBOTA

4WD

Robinson
EQUIPMENT

Robinson
EQUIPMENT

L5

L5

UB102

Features - Hitch

Features - Hitch

3 Point

Category	Tractor HP	Top Link Pin Diameter*	Lift Arm Pin Diameter
0	Up to 20	$\frac{5}{8}$ in	$\frac{5}{8}$ in
1	20 to 45	$\frac{3}{4}$ in	$\frac{7}{8}$ in
2	40 to 100	1 in	$1\frac{1}{8}$ in
3	80 to 225	$1\frac{1}{4}$ in	$1\frac{7}{8}$ in
4	180 to 400 and up	$1\frac{3}{4}$ in	2 in

Draw Bar













Hitch



Features - Front axle

- Front Wheel assist
- Standard Front axle
- Narrow front















Features - Transmissions

- Straight gear
- Synchronized gear
- Partial Power Shift
- Full Power Shift
- Hydrostatic

Features - Ground Clearance

- High vs Low







Features - Safety

- Roll bar and safety belt
- Shields





Is Make Important?











Is Make Important?

- Dealer support?
- Spare parts?
- Resale value?

New or Used?

- Price
- Convenience

Own or Rent?

- Commitment?
- Maintenance?
- Storage?
- Tax implications?

Operating

- Read the Manual !!

Maintenance

- Read the Manual !!

Tips for selecting a used tractor

- Look at several of the same model
- Listen to each tractor run
- Note common problems
- Research on line and by asking knowledgeable and experienced individuals
- Remember that some of us are biased toward certain makes or generations of tractors



Tips for selecting a used tractor

- Value of tractors is not always based on usefulness