

Week 1 lab

Saturday, April 8, 2023 12:44 PM

TRACTOR FAMILIARIZATION WORKSHEETS

Instructions
Fill in and/or check off each of the following questions as you examine the various tractor components and systems. Use the operator's manual (found in canvas, under the resources module) for the tractor to assist you in locating and identifying components. Use this checklist for each of the three different types of tractors (i.e., wheel-diesel, wheel-gas, and crawler). After completing the checklist for the three tractor types, notify your T.A.

BASIC TRACTOR IDENTIFICATION
Locate the following items and then write in the appropriate response in the tractor's column

Item	Wheel - Diesel	Wheel - Gas	Crawler
Tractor manufacturer	New Holland	John Deere	
Tractor model number	Boomer 50	210	
Tractor PIN/VIN/Chassis number ¹	LSM0B50RJL004	65741	
Type of fuel (diesel or gas)	diesel	gas	

¹Note: Some tractors may have both a tractor serial number and an engine serial number.

TRACTOR SYSTEM COMPONENTS
Locate the following items and then place a check mark or the correct response in the appropriate tractor's column:

Item	Wheel - diesel	Wheel - gas	Crawler
Fuel tank fill spout	/	/	
DEF tank fill spout	No	N/A	
Radiator cap	/	/	
Coolant level (OK?)	/	/	
Air cleaner type (dry or oil bath)	dry	oil bath	
Engine oil level (check the dipstick)	/	/	
Rollover protection (ROPS)	/	/	

DEF: reduce pollution 2015 undated Radiator cap: bul
turn to water

BASIC TRACTOR CONTROLS

Locate the following items and then place the correct response in the appropriate tractor's column

	Wheel - Diesel	Wheel - Gas	Crawler
• What do you use to start the tractor? o (place letter in column) o Key switch only (A) o Key with fuel cut off lever in "run" position (B)	A	A	
• What do you use to shut off the tractor engine? o Key only (A) o Key and fuel cut off lever in the "stop" position (B)	A	A	
• What type of cold weather starting aid does the engine have? o Glow plugs (A) o Ether injection system (B) o Choke (C) o None (D)	A	C	
• What type of throttle controls are available? o Hand operated (A) o Foot operated (B) o Hand and foot operated (C)	C	A	
• How many forward gears?	3	8	
• How many reverse gears?	3	4	
• Is a differential lock available?	Yes	No	
• Can the brake pedals be locked together?	Yes	No	
• What do the Yellow knobs/buttons control?	PTO	PTO	
• What do the Orange knobs/levers control?	Throttle	Throttle	
• What RPM should the tractor operate at when the PTO is engaged?	540	1900	

HITCHING & AUXILIARY POWER SYSTEMS

Locate the following items and then answer yes (Y) or no (N) in the appropriate tractor's column:

	Wheel - diesel	Wheel - gas	Crawler
• Is there a drawbar?	Y	Y	
• Is there a 3-point hitch?	Y	Y	
• Is there a rear PTO shaft?	Y	Y	
• Are there rear auxiliary hydraulic outlets?	Y	Y	
• What color is the Primary rear hydraulic control?	Green	Black	
• What color is the Secondary rear hydraulic control?	Blue	N/A	
• Is there a front PTO shaft?:	N	N	
• Are there front auxiliary hydraulic outlets?	N	N	
• Are rear remote controls present for the three point hitch	Y	Y	

front driver seat



✗