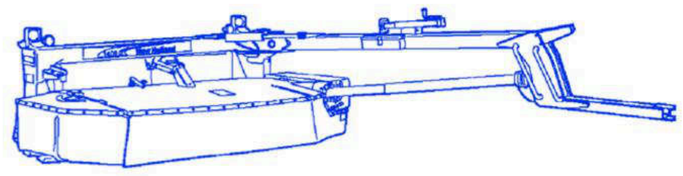
NEW HOLLAND

1409
1410

OPERATOR'S MANUAL



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TRACTOR REQUIREMENTS

1. 540 rpm PTO.
2. 49 kw (65 HP) minimum PTO HP.
3. ASAE standard hitch and PTO dimensions conforming to category 2 or 3 specifications. (See Figure 7).

IMPORTANT: *For tractors with a stepped, or a bent drawbar, the bend must be positioned to meet ASAE hitch and PTO specifications. PTO separation or bottoming out could occur if these specifications are not followed.*

4. Two remote hydraulic circuits with a minimum of 104 bar (1500 psi) and maximum of 193 bar (2800 psi). One of the circuits must be a two-way circuit for the tongue swing cylinder.
5. Adequate ballast, wheel spacing, and tire inflation to stabilize the tractor on hillsides.

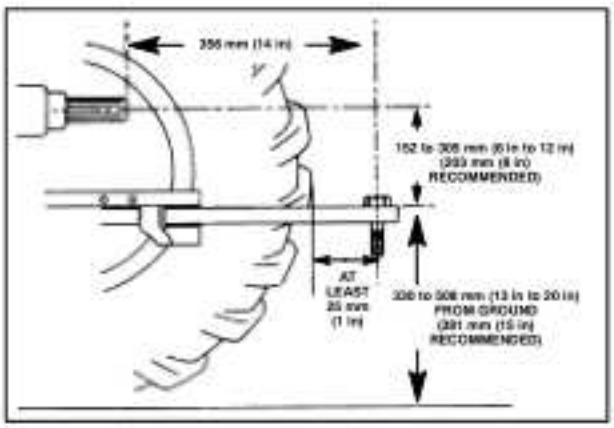
⚠ WARNING ⚠

A tractor with an enclosed cab is recommended when operating a rotary disc cutting machine. Failure to comply could result in death or serious injury.

TRACTOR DRAWBAR DIMENSIONS

Be sure the drawbar is adjusted to meet the ASAE standard specifications.

The distance from the end of the tractor PTO shaft to the center of the drawbar hitch pin must be 356 mm (14 in).



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SECTION 2
OPERATION

After the disc mower-conditioner has been lubricated, attached to the tractor, and adjusted correctly, it is ready for field operation. Refer to other sections of this manual for the above information.

⚠ WARNING ⚠

A tractor with an enclosed cab is recommended when operating a rotary disc cutting machine. Failure to comply could result in death or serious injury.

CHECK BEFORE OPERATING

⚠ WARNING ⚠

Never adjust or make a repair with the disc mower-conditioner running. Disengage the PTO and shut off the tractor engine before attempting to make adjustments or service the machine. Wait for all rotating parts to stop before opening shielding, covers, or standing close to the machine. Failure to comply could result in death or serious injury.

Before using your new disc mower-conditioner:

1. Read this manual carefully.
2. Be sure the tractor drawbar is adjusted properly.
3. Check the tire pressure: 207 kPa (30 psi).
4. Check the wheel bolt torque before operating and also after the first two and ten hours of use. Torque the bolts to 156 N·m (115 ft-lbs). Recheck the wheel bolt torque after every 50 hours of use.
5. Be sure the machine is properly lubricated. Use this manual as a guide to be sure no grease fittings have been missed and all gearboxes are filled to the proper level.
6. Burnish the slip clutch to ensure it is not locked up, and is functioning properly. Refer to the "Maintenance" section of this manual for more information.
7. Be sure the machine is operated at the correct PTO speed.

   Overspeeding may cause excessive wear, vibration, and breakdowns.

   Underspeeding may cause poor cutting performance, conditioner plugging, and stress on the drive components. Your dealer can use a tachometer to check PTO speed and verify the tractor tachometer.
8. Before cutting: Operate the machine slowly for 15 minutes. Then check to be sure that no bearings or gearboxes are running hot. If no problems are detected, operate at rated PTO speed for 15 minutes, and recheck the bearings and gearboxes. If a bearing, bearing housing, or gearbox show signs of overheating or paint discoloration contact your dealer. Any problems must be corrected before using machine to cut crop.

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LUBRICATION AND MAINTENANCE SCHEDULE - MODEL 1410 ONLY

DESCRIPTION	After First 8 Hours	After First 50 Hours	Every 8 Hours or Daily	Every 50 Hours	Every 100 Hours	Every 200 Hours	Every 500 Hours or Yearly
LUBRICATION							
PTO Slide Collar	X		X				
Primary PTO Universal Joints	X		X				
Primary PTO Sliding Shaft	X		X				
Secondary PTO Sliding Shaft	X		X				
Slip Clutch/Overrunning Clutch	X			X			
Cutter Bar Drive Shaft	X		X				
Conditioner Bearings	X		X				
Wheel Arms	X		X				
Header Lift Arms	X		X				
Tongue Pivot Pin	X		X				
Cutter Bar Mounting Bolts	X		X				
Hood Adjusting Crank	X	X			X		
Wheel Bearings (Repack)		X					X
Check Oil Level in Bevel Gearbox	X					X	
Change Oil in Bevel Gearbox		X				X	
Check Oil Level in Cutter Bar Modules	X					X	
Change Oil in Cutter Bar Modules		X				X	

⚠ WARNING ⚠

The header must be resting on the ground or suspended in the transport position by the header lift locks during lubrication or maintenance. Failure to comply could result in death or serious injury.

IMPORTANT: *The machine must be checked daily for oil leaks. Any leak must be fixed immediately.*

NOTE: *Clean the area around all plugs and grease fittings prior to removing or greasing.*

NOTE: *All oil levels are checked with the cutter bar level both from front to back and side to side.*

Grease Fittings

Grease fittings are identified in the following figures. Recommended lubrication intervals are listed after each description.

IMPORTANT: *Lithium-based EP high temperature grease must be used at all grease points.*

GEARBOXES

Oil for the gearboxes and cutter bar modules are available from your authorized dealer.

Maintain oil level using Hypoid 90 (80W90) gear oil or Hypoid SSL (75W90) gear lube (synthetic).

IMPORTANT: *Failure to use the correct specification of oil may lead to premature failure of the gearbox components.*

IMPORTANT: *The oil in all gearboxes must be changed after the first 50 hours of use to remove any contaminants from the break-in process.*

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