330 Turbo True-Tandem (22 - 34 Foot)

Vertical Tillage

OPERATOR'S MANUAL

Part number 84546675

6th edition English

November 2011

Replaces part number 84253770

CASE IH AGRICULTURE

MidWestTech | Case 330 Turbo True Tandem 22:34 Foot Vertical Tillage Operator's Manual | Publication 84546675

Order the manual at mid-west-tech.com >

Contents

1 GENERAL INFORMATION

To the owner 1-1
Safety Features 1-2
Product Identification Number (PIN) 1-4
Left and right side of the machine 1-5

2 SAFETY INFORMATION

Safety rules and signal word definitions 2-1
Safety information 2-2
Decal information 2-7
Ecology and the environment Ecology and the environment 2-13
Hand signals 2-14

3 TRANSPORT OPERATIONS

PREPARING FOR ROAD TRANSPORT

Before operating your 330 Turbo 3-1
Tractor/330 Turbo connection 3-2
Connecting to the tractor 3-3
Jack stand 3-5
Hydraulic connections 3-6
Transport lighting 3-7
Disconnecting the implement 3-8

4 WORKING OPERATIONS

FIELD OPERATION

Hydraulic system 4-1
Machine leveling with a hydraulic leveling cylinder 4-2
Transport position 4-3
Pivoting stabilizer wheel adjustment 4-4
Center coulter assembly 4-6
Leveling attachment 4-7
General information 4-10
330 Turbo setting instructions 4-11
Adjust fore and aft of the machine 4-11
Depth control adjustment 4-12
Wing transport wheel adjustment 4-15
Pivoting stabilizer wheel adjustment 4-16
Disk scraper adjustment 4-18
Leveling basket adjustment 4-19

5 MAINTENANCE

MidWestTech | Case 330 Turbo True Tandem 22-34 Foot Vertical Tillage Operator's Ma... Order the manual at mid-west-tech.com >

GENERAL INFORMATION

Torque specifications 5-1
Torque – Standard hydraulic torque 5-3
Tire pressure 5-4

MAINTENANCE CHART

Lubrication and maintenance chart 5-5

ADJUSTMENTS

Cushion leveling assembly spring length 5-7

Every 10 hours or daily

Rockshaft bearing upper 5-9
Rockshaft bearing lower 5-9
Wing wheel arm pivot 5-9
Wing gang hinge 5-10

After first 10 hours and periodically

Wheel bolt torque 5-11
Arbor bolts 5-12
Frame bolts 5-12

Every 50 hours

Turbo gang bearings 5-13
Wheel hub 5-13
Pivoting stabilizer wheel 5-14
Walking tandem pivot 5-14
Rolling basket bearing 5-14
Rear basket arm 5-15

Every 250 hours or yearly

Cushion leveling assembly screw thread 5-16
Walking tandem pivot 5-16
Pivoting stabilizer wheel 5-16
Wheel hub lubrication 5-17
Stabilizer wheel bearing lubrication 5-18
Wing transport wheel bearing lubrication 5-19
Transport wheel bearing lubrication 5-20

Yearly

Hydraulic hose connections 5-22
Turbo blades 5-23
Walking tandem pivot 5-24

Periodic checks

MidWestTech | Case 330 Turbo True Tandem 22-34 Foot Vertical Tillage Operator's Ma... Order the manual at mid-west-tech.com >

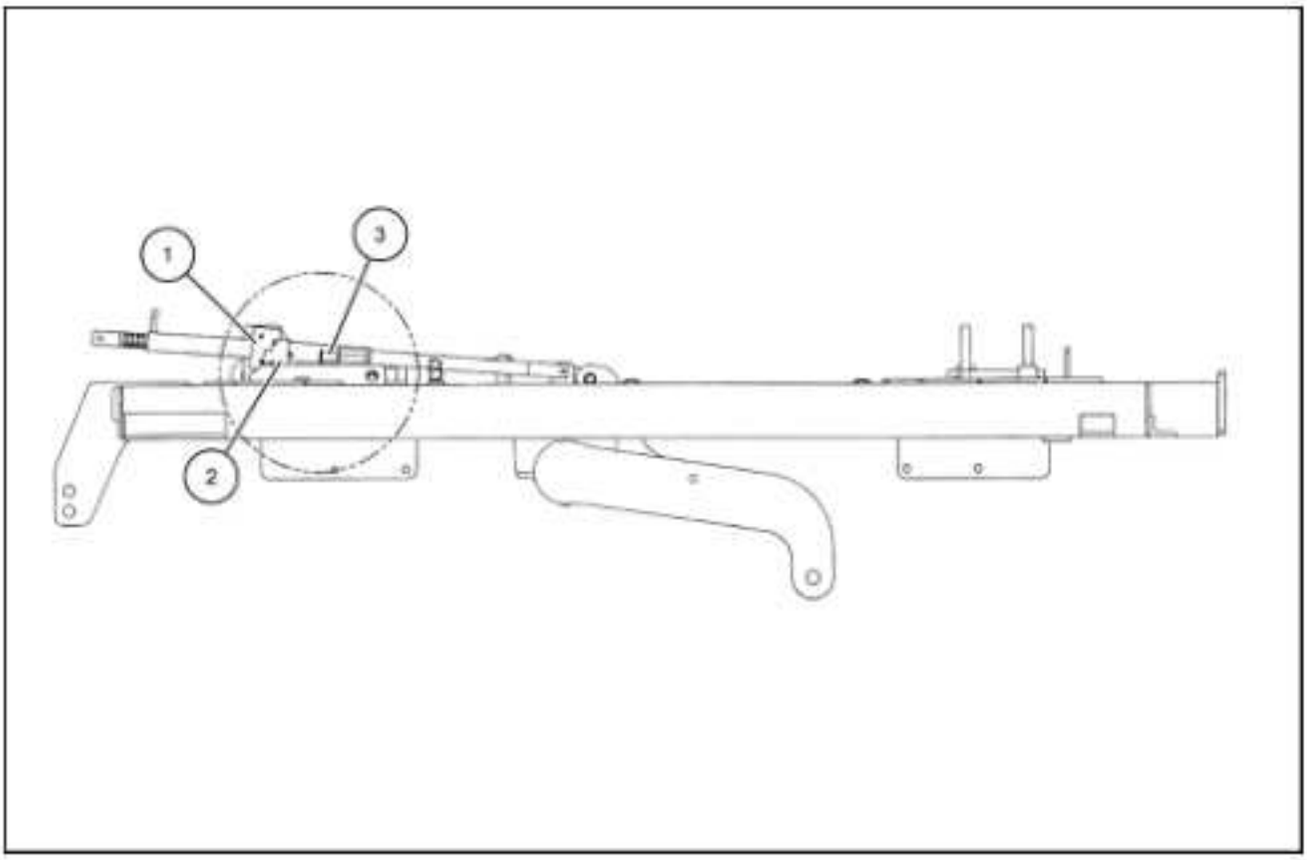
Cushion Turbo gang assembly 5-27
Cushion gang bearing spacing 5-29
Turbo blade and bearing spool assembly 5-38

STORAGE
Preparing for storage 5-39
Removing from storage 5-40

6 TROUBLESHOOTING
SYMPTOM(S)
Field performance 6-1
Component breakage 6-3
Rephasing suspension lift cylinders 6-4

7 SPECIFICATIONS
Tractor requirements 7-1
Frame and hitch 7-1
Transport size 7-1
Machine weights 7-2
Hydraulics 7-2
Wheels and tires 7-3
Turbo blade size - cushion gang 7-4
Flat bar rear harrow basket 7-4

MidWestTech | Case 330 Turbo True Tandem 22-34 Foot Vertical Tillage Operator's Ma... Order the manual at mid-west-tech.com >



GL11P0128 3

Single point depth control alignment

Reference	Description
1	U shaped bracket
2	Depth control valve plunger
3	Depth stop pin
4	Depth control valve misaligned
5	Depth control valve aligned

NOTICE: *Center lines of depth stop pin and depth control valve plunger must be parallel for proper operation.*

MidWestTech | Case 330 Turbo True Tandem 22-34 Foot Vertical Tillage Operator's Ma... Order the manual at mid-west-tech.com >

MAINTENANCE CHART

Lubrication and maintenance chart

Interval	Page Nb.	Maintenance Action	Adjust Nb. of pts	Grease	Check	Cleaning	Lubricate	
ADJUSTMENTS	5-7	Cushion leveling assembly spring length		X				
Every 10 hours or daily	5-9	Rockshaft bearing upper			X			
	5-9	Rockshaft bearing lower			X			
	5-9	Wing wheel arm pivot			X			
	5-10	Wing gang hinge			X			
After first 10 hours and periodically	5-11	Wheel bolt torque				X		
	5-12	Arbor bolts				X		
	5-12	Frame bolts				X		
Every 50 hours	5-13	Turbo gang bearings			X			
	5-13	Wheel Hub			X			
	5-14	Pivoting stabilizer wheel			X			
	5-14	Walking tandem pivot			X			
	5-14	Rolling basket bearing			X			
	5-15	Rear basket arm			X			
Every 250 hours or yearly	5-16	Cushion leveling assembly screw thread			X			
	5-16	Walking tandem pivot				X		
	5-16	Pivoting stabilizer wheel				X		
	5-17	Wheel Hub					X	
	5-18	Stabilizer wheel bearing lubrication					X	
	5-19	Wing transport wheel bearing lubrication						X
	5-20	Transport wheel bearing lubrication						X
Yearly	5-22	Hydraulic Hose Connections				X		
	5-23	Turbo blades				X		
	5-24	Walking tandem pivot				X		
Periodic checks	5-27	Cushion Turbo gang assembly		X				
	5-29	Cushion gang bearing spacing		X				
	5-38	Turbo blade and bearing spool assembly		X				

MidWestTech | Case 330 Turbo True Tandem 22-34 Foot Vertical Tillage Operator's Ma... Order the manual at mid-west-tech.com >

Machine weights

Weight 191 mm (7–1/2 in) spacing with flat bar baskets

Disk size	Cushion gang
6.7 m (22 ft)	**6845 kg (15090 lb)**
7.6 m (25 ft)	**6799 kg (14990 lb)**
9.4 m (31 ft)	**9026 kg (19900 lb)**
10.4 m (34 ft)	**8981 kg (19800 lb)**

Highway transport chain

Capacity:	
6.7 — 7.6 m (22 — 25 ft)	**88964 N (20000 lb)**
9.4 – 10.4 m (31 – 34 ft)	**133446 N (30000 lb)**

Hydraulics

Lift cylinders	
Disk **6.7 m (22 ft)**	
Main frame	Two **95 x 203 mm (3–3/4 x 8 in)**
Wing fame	Two **89 x 203 mm (3–1/2 x 8 in)**
Disk **7.6 — 9.4 m (25 — 31 ft)**	
Main frame	Two **102 x 203 mm (4 x 8 in)**
Wing frame	Two **95 x 203 mm (3–3/4 x 8 in)**
Disk **10.4 m (34 ft)**	
Main frame	Two **108 x 203 mm (4–1/4x 8 in)**
Wing frame	Two **102 x 203 mm (4 x 8 in)**
Wing folding cylinders	
Disk **6.7 — 7.6 m (22 — 25 ft)**	Two **89 x 1067 mm (3-1/2 x 42 in)**
Disk **9.4 — 10.4 m (31 — 34 ft)**	Two **102 x 1067 mm (4 x 42 in)**
Leveling cylinder	**127 x 203 mm (5 x 8 in)**

MidWestTech | Case 330 Turbo True Tandem 22-34 Foot Vertical Tillage Operator's Ma... Order the manual at mid-west-tech.com >