

# AXIAL-FLOW® COMBINE INSPECTION

## CASE IH CUSTOMIZED MAINTENANCE INSPECTION CHECKLIST



**W.O. #** \_\_\_\_\_ **CUSTOMER NAME** \_\_\_\_\_  
**DATE** \_\_\_\_\_ **ADDRESS** \_\_\_\_\_  
**MODEL** \_\_\_\_\_ **CITY, STATE, ZIP** \_\_\_\_\_  
**TECHNICIAN SIGNATURE** \_\_\_\_\_ **PHONE** \_\_\_\_\_  
**P.I.N.** \_\_\_\_\_ **HOURS** \_\_\_\_\_ **CUSTOMER SIGNATURE** \_\_\_\_\_

ITEM #	COMMENTS

FRT = Front    BAC = Back    TOP = Top    CAB = Cab    LS/RS = Left Side/Right Side    LRS = Left and Right sides

**Prior to inspection, check for service bulletins and PIPs applicable to the particular unit.**

**A B C S SAFETY EQUIPMENT/OPERATOR CAB**

1. Seat Belts
2. Warning/Flashing Lights
3. Decals in Place (SMV)
4. Other Audible Sounds
5. Horn
6. Brake Pedal Interlock
7. PTO Shield in Place
8. Reflectors
9. Windows
10. Door
11. Mirrors
12. Cab Filters
13. Fire Extinguisher (If Equipped)
14. Wipers
15. Heat/A/C Fan
16. Turn Signals
17. Lights
18. Seat Operates/Cond.
19. Operator's Manual
20. Radio
21. Backup Alarm
22. Turn Brakes
23. Feeder Lift Safety Lock
24. All Shields in Place
25. Check Operation and Function of Precision Farming Display & Receiver

**FEEDER HOUSING**

26. FRT Feeder Chain Slats & Links
27. FRT Upper Sprocket Strippers
28. FRT Feeder Chain Drive Sprockets
29. FRT Feeder Upper/Lower Pivot Seal
30. FRT Feeder Drum Stops, Pivot Area, Bearings

**A B C S FEEDER HOUSING (CONT.)**

31. FRT Feeder Chain Tension (Spring)
32. CAB Feeder Reverser/Operational
33. FRT Rock Trap Door Adjustment
34. Check Feeder Slip Clutch Torque (Radial Pin or Friction)
35. Rock Trap Bearings
36. Rock Trap Drive Chain & Sprockets
37. Upper Feeder Shaft Bearings
38. Check Fluid Level in 2-Speed Feeder Gearbox (MRR Only, If Equipped)

**ROTOR ASSEMBLY**

39. FRT Impeller Blades & Wear Bars
40. FRT Transition Cone & Vanes
41. FRT Rotor Front Bearing & Casting
42. LRS Rasp Bars, Separator Bars, Kickers & Supports
43. Rotor Skin Damage
44. Check Rotor Gearbox Shift Operation

**ROTOR CAGE MODULES**

45. LRS Remove/Inspect/Clean Modules
46. LRS Module Retainer Hardware
47. LS Check Adjuster & Anchor
48. LRS Check Rotor Cage: Crack or Distortion
49. RS Check Vanes
50. Check Level and Shift of Rotor Cage to Rotor

**GRAIN PAN**

51. LRS Grain Pan Material Build-Up
52. LRS Check Seals and Hanger Bushings
53. LRS Grain Pan for Cracks, Warping or Misalignment

**A B C S CHAFFER/SHOE SIEVES**

54. BAC Accumulation: Material Between Fingers
55. BAC Cracks, Warping or Misalignment
56. LRS Check Seals and Hanger Bushings – Verify LH and RH Openings
57. BAC Check Sieve Adjustment Linkage/Actuator
58. LRS Check Cleaning System Self-Leveling Rollers/Bushings/Actuator

**CLEANING FAN**

59. LRS Fan Blade to Housing Clearance
60. LRS Check Cleaning Fan Duct & Vanes for Material Buildup and Damage
61. LRS Fan Blades for Damage or Material Buildup
62. RS Check Hydraulic Motor for Leaks
63. RS Transducer Positioning & Wire Routing

**TIER 4 SCR**

64. Inspect DEF Tank
65. Check DEF Fluid Level
66. Check DEF Tank Hose to Catalyst Chamber
67. DEF Tank Vent Filter (If Equipped)
68. Check DEF tank breather line for Blockage
69. Check Electrical Connectors
70. Check Catalyst Chamber for Damage or Cracks
71. Check & Clean SCR

**CHOPPER/BEATER**

72. Check Adjustment/Operation of Remote Chopper Shift
73. Check Counter Knives/Wear/Linkage Adjustment
74. BAC Straw Chopper: Blade Wear & Adjust

**A B C S CHOPPER/BEATER (CONT.)**

75. LS/RS Check Chopper Shaft Side Panel Seals
76. LS/RS Check Chopper/Beater Shaft Bearings and Shift Collar
77. Check for Worn Beater Shaft Pulley &/or Hub Wear
78. Check Straw Chopper (MRR):
  - Pulley Splines
  - Drive Bevel Gears & Bearings
  - Worn &/or Cracked Straw Spread Drive Belt

**SPREADING**

79. BAC Discharge Beater: Cracks, Wear Pan Adjust
80. BAC Straw Spreader: Worn/Missing Spreader Bats
81. BAC Straw Spreader: Motor for Leaks
82. BAC Check Spreader Distribution Bars/Fins/Cracks
83. BAC Spreader Assembly Latching Hardware/Chaff Pan Rollers

**GRAIN/TAILINGS AUGERS/ELEVATOR**

84. RS Clean Auger Troughs
85. BAC Auger Flights for Cracks or Bending
86. RS Elevator Paddles, Sprockets & Chains
87. RS Elevator Bearings
88. TOP Elevator Heads for Wear
89. RS Locking Collars, Drive Hubs, Set Screws
90. RS Check/Adjust Slip Clutch
91. RS Tailings Processor
92. Inspect Tailings Elevator for Damage & Wear
93. Inspect Chain & Sprockets for Damage & Wear
94. Inspect Tube for Damage & Wear

A	CRITICAL – MUST REPAIR
B	OPERATIONAL – SIGNS OF WEAR
C	OK
S	PASSED INSPECTION – SERVICE PROVIDED

This information is only for the purpose of suggesting possible repair or treatment of equipment. Any remedy will be limited to the amount of the inspection fee. Dealer makes no expressed or implied warranties, and disclaims any incidental or consequential damages. PM-17081 (Replaces: PM-14338, PM-14312, PM-14339) Rev 08/2014



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ITEM #	COMMENTS

**A B C S** GRAIN TANK/UNLOADER SYSTEMS

- 95. TOP Flighting on Cross Over, Unload & Inclined Augers
- 96. TOP Grain Tank, Leaks
- 97. TOP Position Two Lower Auger Covers – Even Unloaded
- 98. TOP Check Grain Tank Extension Corner Seals
- 99. Check Unload Auger Pivot Seal

**ELECTRICAL SYSTEM – CAB CHECK**

- 100. CVT Speed Changes
- 101. Two-Speed PRA
- 102. Variable Rotor Dr.
- 103. Variable Fan Speed
- 104. Charge Circuit Voltage
- 105. Cranking Circuit Amp. Draw
- 106. Electrical Fuel Pump
- 107. Display Function SSM/Lights
- 108. Reel Lift
- 109. Reel Speed
- 110. Header Lift
- 111. Unloader Swing/Folding Unloader/Spout Actuator
- 112. Auto Header Control
- 113. Auto Feeder Cut-off
- 114. Feeder Reverser
- 115. Shaft Speed Monitor
- 116. Grain Loss Monitor
- 117. Neutral Start Switch
- 118. MFH
- 119. Transmission Gear Position Indicator
- 120. Clean & Check Chassis Grounds

**A B C S** BELTS & CHAINS

- 121. Check Operation & Function of UD+ Belts and Chains
- 122. RS Tailings Processor Belt
- 123. RS Grain Elevator Conveyor Chain
- 124. RS Grain Tank Discharge Drive Chain
- 125. LS Tank Horizontal Auger Drive Chain
- 126. LS Tank Unloader Drive Chain/Belt
- 127. LS Straw Chopper/Beater Drive Belts
- 128. TOP Alternator/Fan Belt
- 129. TOP A/C Compressor Belt
- 130. Belt/Chain Shields Installed
- 131. LS Cleaning System Belt/Tensioner Operation

**ENGINE**

- 132. TOP Coolant Level & Condition
- 133. TOP Radiator Cap, Hoses, Connections
- 134. TOP Clean Rad/Cooler/AC Condenser/Air Screen
- 135. TOP Seal Around Rotary Screen/Radiator Door
- 136. TOP Fuel Tank Vent Clear
- 137. Fuel Tank Vent Filter
- 138. RS Drain Water from Fuel Filter
- 139. CAB Check High & Low Idle Speed
- 140. TOP Check for Oil Leaks
- 141. TOP Air Cleaner – Replace as Needed
- 142. TOP Air Induction Test – Check Turbo and Air to Air Cooler Hoses and Connections

**A B C S** ENGINE (CONT.)

- 143. TOP Air Restriction Gauge
- 144. TOP Inspect for Fuel Leaks
- 145. TOP Check Engine Compartment Cleanliness
- 146. TOP Manifold, Muffler, Exhaust System
- 147. TOP Aspirator Clear
- 148. Engine Valve Lash Adjust

**HYDROSTATIC DRIVE/TIRES**

- 149. LS Drive Pressure (Stall Test)
- 150. CAB Propulsion Control Lever Function/Calibration
- 151. CAB Proper Transmission Shifting
- 152. CAB Parking Brake Engages
- 153. LRS Torque on Drive & Rear Wheel Lugs
- 154. LRS Front & Rear Inflation Pressures
- 155. BAC Guide Wheel Toe-in
- 156. BAC Axle Pivot Areas for Cracks or Wear
- 157. LRS Wheel Bearings (Signs of Seal Leakage)
- 158. Check Drive Wheel Bolts
- 159. Check Drive Wheel Rims
- 160. Check Drive Shaft Splines

**HYDRAULIC SYSTEM**

- 161. LS Flow Rate Pumps (Optional)
- 162. LRS Hose & Line Connections, Seats/Packing
- 163. CAB Operation – Ensure All Valves Operating

**A B C S** LUBRICATION LEVELS

- 164. TOP Engine Oil
- 165. RS Transmission
- 166. LRS Final Drives
- 167. TOP PTO Drive Gearbox
- 168. CAB Brake Fluid
- 169. LRS Guide Wheel Planetaries
- 170. FRT Header Drive Gearbox
- 171. FRT Feeder Drive Gearbox
- 172. TOP Rotor Gearbox
- 173. TOP Upper Unloader Gearbox
- 174. TOP Inclined Auger Gearbox
- 175. LS Bottom Unloader Gearbox

**FLUID ANALYSIS (VALIDATED THROUGH INTERNET SITE)**

- 176. Engine
- 177. Transmission
- 178. Final Drives
- 179. Hydraulic
- 180. Coolant (cc 2700 Kit)

**TRACKS (IF EQUIPPED)**

- 181. Track Alignment
- 182. Roller Wheel Oil Level
- 183. Track TM Numbers (Slot for Input as on 4WD Version)
- 184. Track Condition

**ADDITIONAL MAINTENANCE**

- 185. \_\_\_\_\_
- 186. \_\_\_\_\_
- 187. \_\_\_\_\_
- 188. \_\_\_\_\_
- 189. \_\_\_\_\_



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