



COMBINE INSPECTION REPORT

Personalized For:

Owner Name:
Address:
City, State, ZIP Code City, Province, Postal Code:
Job Number:
Date:
Combine Model:
Combine Serial Number:
Engine Hours:
Separator Hours:
Optional Equipment:

Completing the Inspection Report

Instructions for the Service Technician:

1. Complete the customer information in the booklet.
2. Review each item in the Inspection Report and place a check in the appropriate column: N/A (Not Applicable), OK, Clean, Adjust, Repair, Replace.
3. For each item requiring action, place the estimated time for the work in the right hand column. (At the user's discretion, this may be an administrative function).
4. Record any comments that will be useful for:
 - o Establishing parts required
 - o Discussing the estimate with the customer
 - o Historical service information
5. To complete the assessment, give a brief summary of the overall condition of the machine on the last page.

Instructions for Service Administration / Parts Department:

1. Following the inspection, the required part numbers and their costs should be recorded on a parts list with a cross reference to the appropriate check number in the Inspection Report.
2. The total parts and labor costs should be summarized in the Cost Summary table on the last page, together with any additional costs incurred in carrying out the inspection.
3. Attach the parts listing to the Inspection Report.

The Inspection Report will give a thorough record of the inspection, and provide valuable information for the Dealer and customer as to the condition of the equipment, the breakdown of the estimate, and serve as a service record. Give a copy of the Report to the customer.

Check No.	Item	N/A	OK	Clean	Adjust	Repair	Replace	Comments	Time (Hrs)	Customer Initials
ENGINE, FUEL, ELECTRONICS, AND COOLING SYSTEM										
1	Radiator / oil cooler - leaks and blockages									
2	Coolant level / antifreeze									
3	Fan belt - wear and adjustment									
4	Fan - wear and damage									
5	Cooling system - wear									
6	Fuel system - leaks - contamination									
7	Fuel filters									
8	Air cleaner / filters - condition									
9	Batteries - condition									
10	Wiring / circuit breakers - damage - connections									
11	Header electrical connection - damage									
12	Alternator - charging - unusual noise									
13	Starting system - noise - sluggish									
14	Engine oil level									
15	Engine oil pressure - satisfactory									
Subtotal										

Check No.	Item	N/A	OK	Clean	Adjust	Repair	Replace	Comments	Time (Hrs)	Customer Initials
16	Engine oil leaks									
17	Engine oil filter									
18	Exhaust system - leaks - damage									
19	Rotary screen - seal - turns freely									
20	Radiator spinner - operational									
MAIN CLUTCHSHAFT										
21	Separator clutch - inner operation - outer operation									
22	Separator clutch wiring - condition									
23	Clutch shaft bearings - wear - unusual noise									
24	Check torque of main clutchshaft bearings									
HEADER DRIVE CLUTCH										
25	Header drive clutch - condition - operation									
26	Header drive clutch wiring - condition									
FEED HOUSE CONVEYOR										
27	Slats / attaching links - loose or damaged - wear									
28	Chains - wear - damage									
29	Feed chain sprockets - wear									
									Subtotal	

Check No.	Item	N/A	OK	Clean	Adjust	Repair	Replace	Comments	Time (Hrs)	Customer Initials
30	Lower (front and rear) drums and bearings - wear and damage									
31	Feed chain spring tensioners - wear - check adjustment									
32	Slip clutch torque limiter - operation									
33	Concave door / stone trap / seals - damage									
34	Header / feeder reverser - operation									
35	Feed floor chain guides - damage									
36	Feed housing floor at rear - seal area - wear									
37	Rear feed floor - wear									
CONCAVE										
38	Condition - wear and damage									
39	Control - operation and calibration									
40	Concave level and calibrated									
CYLINDER										
41	Rasp bars - damage and wear									
42	Helicals and cage - damage and wear									
43	Cylinder gearbox - oil level - leaks - unusual noise									
Subtotal										

Check No.	Item	N/A	OK	Clean	Adjust	Repair	Replace	Comments	Time (Hrs)	Customer Initials
44	Cylinder gearbox output shaft splines - wear									
45	Cylinder drive belt - condition									
46	Variable speed mechanism - oil leaks - operation									
THRESHING / SEPARATOR BEATERS										
47	General condition									
48	Bearings - wear and noise									
DISCHARGE IMPELLER										
49	General condition									
50	Bearings - wear and noise									
STRAW WALKERS										
51	Condition									
52	Straw walker crank and bearings - wear									
53	Straw walker curtain(s) - condition									
STRAW CHOPPER										
54	Blades - condition									
55	Bearings - condition									
56	Concave / stationary knives - condition									
Subtotal										

Check No.	Item	N/A	OK	Clean	Adjust	Repair	Replace	Comments	Time (Hrs)	Customer Initials
DISTRIBUTION AUGERS										
57	Auger shaft bearings - wear									
58	Auger flighting condition - wear - damage									
59	Auger fingers - damaged - missing									
60	Auger trough - wear -damage									
ACCELERATOR ROLLS										
61	Condition and timing									
62	Roll lugs - wear									
63	Roll shaft bearings - wear									
SHAKER SHOE										
64	Condition									
65	Shaft bearings - wear Rubber bearings - wear									
66	Sealing strips - wear and sealing									
CHAFFER AND SIEVES										
67	Inspection - condition									
68	Adjusting levers - operation									
Subtotal										

Check No.	Item	N/A	OK	Clean	Adjust	Repair	Replace	Comments	Time (Hrs)	Customer Initials
SEPARATOR CONVEYOR BELT										
69	Roll shaft bearings - wear									
70	Condition - wear and damage									
FAN										
71	Operation - damage									
72	Bearings - wear									
73	Choke - operation									
CLEAN GRAIN AND RETURNS AUGERS										
74	Bearings - wear									
75	Flighting and housing - wear and damage									
76	Slip clutch									
CLEAN GRAIN AND RETURNS ELEVATORS										
77	Chain / sprocket - wear and adjustment									
78	Paddles and housing - wear and damage									
79	Bearings - wear									
GRAIN TANK										
80	Grain tank panels - leaks									
81	Grain tank extensions - condition - operation									
Subtotal										

Check No.	Item	N/A	OK	Clean	Adjust	Repair	Replace	Comments	Time (Hrs)	Customer Initials
BIN FILL AUGER										
82	Flighting and housing - wear and damage									
83	Bearings - wear									
84	U-joint - condition									
BIN CROSS AUGER										
85	Flighting and housing - wear and damage									
86	Bearings - wear									
UNLOADER AUGERS										
87	Flighting and housing - wear and damage									
88	Bearings - wear									
89	Unloader clutch - operation									
90	Elbow gearbox (turret) - condition									
TRACTION										
91	Transmission - oil level - leaks - unusual noises									
92	Shift linkage - adjustment									
93	Hydro speed control - operation									
94	Brakes - adjustment									
Subtotal										

Check No.	Item	N/A	OK	Clean	Adjust	Repair	Replace	Comments	Time (Hrs)	Customer Initials
95	Parking brake - adjustment									
96	Final drives - leaks									
97	Hydrostatic motor, pump, hoses, and fittings - leaks									
HYDRAULICS										
98	Reservoirs - oil level - leaks									
99	Pumps - leaks - unusual noises									
100	Valve block - leaks - operation									
101	Smartrac LTM valve - leaks and operation									
102	Hydraulic straw spreader - pump and motor - leaks and operation									
103	Hydraulic chaff spreader motors and valve - leaks and operation									
104	Lines and hoses - check for leaks and interference									
CHAINS / SPROCKETS										
105	Header / feeder reverser drive - condition									
106	Unloader drive - condition									
107	Other chains - condition - for older models									
Subtotal										

Check No.	Item	N/A	OK	Clean	Adjust	Repair	Replace	Comments	Time (Hrs)	Customer Initials
GEARS										
108	Accelerator roll gears - wear									
109	Distribution auger gears - wear									
110	Tailings return to cylinder gears - wear									
111	Walker jackshaft - wear									
112	Turret unloader - wear									
113	Straw spreader - wear									
BELTS / PULLEYS										
Check the condition of the following: spring loaded idler arm free to rotate.										
114	Feeder jackshaft									
115	Feeder countershaft									
116	Main clutchshaft drive									
117	Unloader drive									
118	Hydro traction pump									
119	Shoe eccentric drive									
120	R.H. pivot drive									
121	Rear feed conveyor drive									
122	Elevator jackshaft									
123	Clean grain elevator / bin fill auger									
Subtotal										

Check No.	Item	N/A	OK	Clean	Adjust	Repair	Replace	Comments	Time (Hrs)	Customer Initials
124	Tailings elevator									
125	Straw walkers									
126	Thresher beater									
127	Separator beater									
128	Cleaning fan / separator drive									
129	Impeller / straw chopper									
130	Straw spreader									
131	Air conditioner drive									
132	Engine alternator drive									
133	Engine fan drive									
WHEELS AND STEERING										
134	Steering operation - left and right									
135	Tires - pressure - damage									
136	Rear axle pivot pins and bushings - wear									
137	Rear wheel bearings - wear									
138	Wheels, wheel studs - damage									
139	Steering linkage - wear									
140	Check toe-in									
141	Spindle stop adjustment									
Subtotal										

Check No.	Item	N/A	OK	Clean	Adjust	Repair	Replace	Comments	Time (Hrs)	Customer Initials
142	Rear wheel drive system - hose clearance - leaks - operation									
CAB										
143	Cab air filters									
144	L.H. cab door seal / latch / hinge - condition - seals when closed									
145	R. H. cab door seal / latch / hinge - condition - seals when closed									
146	Cab platform ladder - condition - operation									
147	Check engine starting									
Check the following with engine and hydraulic oil at operating temperatures.										
148	Engine low idle speed _____ RPM									
149	Engine high idle speed _____ RPM									
150	Engine oil pressure @ low idle speed _____ PSI									
151	Engine oil pressure @ high idle speed _____ PSI									
152	Engine coolant temp _____ °									
153	Hydraulic oil temp _____ °									
154	Battery voltage _____ volts									
155	Air conditioner and heater - operation									
Subtotal										

Check No.	Item	N/A	OK	Clean	Adjust	Repair	Replace	Comments	Time (Hrs)	Customer Initials
156	Thresher electromagnetic clutch engagement									
157	Header electromagnetic clutch engagement									
158	Unloading auger swing									
159	Unloading auger engagement									
160	Feeder elevator - up / down									
161	Transmission shifting - all gears									
162	Hydrostatic transmission - all speeds									
163	Rotor speed – low gear Max. RPM _____ Min. RPM _____									
164	Rotor speed – high gear Max. RPM _____ Min. RPM _____									
165	Lights and instruments									
166	Electronic instrument panel - head up display - operation									
167	B-post display - operation									
168	Grain loss monitor - test									
169	Radio									
170	Lines, hoses, fittings - leaks									
171	Engine shut down									
Subtotal										

Check No.	Item	N/A	OK	Clean	Adjust	Repair	Replace	Comments	Time (Hrs)	Customer Initials
GENERAL										
172	Service area lights / sockets									
173	Safety shields and inspection panels - present - condition									
174	Frame and body - cracks and damage									
175	Electrical wires - cut or damaged									
176	Combine lubrication									
Subtotal										
Total										

Assessment Summary

Cost Summary

Parts:	
Labor:	
Other (please specify)	
Total	

Service Technician: _____

Service Manager _____

Dealer: _____