

Ziegler AG CLAAS Lexion Combine PMI

Yearly

● 27 ● 8 ● 197 ● 31

Inspection Number	4405843	Serial Number	57801148
Make	LEXION COMBINE	Model	585R
Customer Name	Beach Family Farms	Completed On	9/6/2020 10:02:14 AM
Equipment Family	AGRICULTURE	Inspector	Darren Eisenschenk
SMU	2551 Hours	Work Order	WJ43825
Location	Dayton,MN	PDF Generated On	9/10/2020
Coordinates	0, 0, 0		
Technician	<i>Darren Eisenschenk</i>		

General Info & Comments

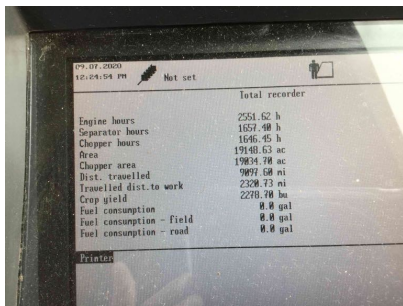
General info/Comments

General

● 1.1 Enter the separator hours here:

COMPLETED

 1657 hrs



● 1.2 Engine ready to start?

YES

● 1.3 Machine cleaned?

YES



● 1.4 Maintenance completed as per operation and maintenance manual? *NOT COMPLETED*

 Needs service

Fluid Level Checks

● 2.1 Check final drive oil level RH *NORMAL*

● 2.2 Check 2-speed cylinder gearbox oil level (option) *NORMAL*

● 2.3 Check Brake fluid *NORMAL*

● 2.4 Check rear axle oil level LH (2WD only) *N/A*

● 2.5 Check rear axle oil level RH (2WD only) *N/A*

● 2.6 Check rotor gearbox oil level RH *NORMAL*

● 2.7 Check rotor gearbox oil level LH *NORMAL*

● 2.8 Check engine transfer gearbox oil level *MONITOR*

 A little overfull

● 2.9 Check hydraulic oil level *NORMAL*

● 2.10 Check engine oil level *NORMAL*

● 2.11 Check engine coolant level and strength *NORMAL*

● 2.12 Check engine air filter *ACTION*

 Dirty

● 2.13 Check transmission oil level *NORMAL*

● 2.14 Check final drive oil level LH *NORMAL*

● 2.15 Inspect upper gearbox for 200 KW drive for oil level, alignment and leaks (option) *N/A*

● 2.16 Inspect lower gearbox for 200 KW drive for oil level, leaks, alignment of belts and hardware tightness (option) *N/A*

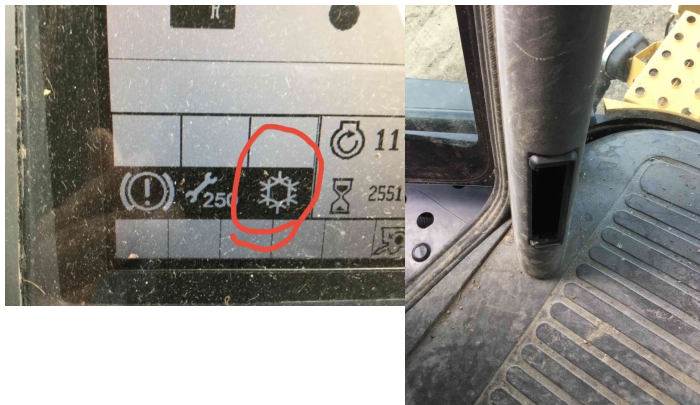
● 2.17 Check unloading auger gearbox oil	NORMAL
● 2.18 Ensure all bearings take grease (grease entire machine and denote any issue areas)	NORMAL
● 2.19 Check left radial spreader gearbox oil levels (option)	N/A
● 2.20 Check right radial spreader gearbox oil level (option)	N/A
● 2.21 4 link axle: check oil level in the center section (option)	N/A
● 2.22 4 link axle: check oil level in right final drive (option)	N/A
● 2.23 4 link axle: check oil level in left final drive (option)	N/A

Cab/Operators Platform-Machine function (Run engine low RPM)

● 3.1 Starter/Alternator	NORMAL
● 3.2 Wiper motor and arm	NORMAL
● 3.3 Windshield washer operation	NORMAL
● 3.4 Check HVAC system for proper operation and record pressures on the gaugeset.	ACTION

Starts and runs good

Does not work no freon in system
Bottom left vent broken



3.4.1 noted pressure:

● 3.5 Cab filters	ACTION
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Dirty

-
- 3.6 CAB access ladder NORMAL

 - 3.7 Mirrors NORMAL

 - 3.8 Check all lights (Headlights, taillights, working lights, warning lights, turn signals) ACTION

Front right signal, service door, front left signal lense missing, back left light doesn't work



-
- 3.9 Operators seat adjustment NORMAL

 - 3.10 Climate controlled seat (option) N/A

 - 3.11 Seat belts NORMAL

 - 3.12 Buddy Seat and seat belt NORMAL

 - 3.13 Cooler and Fridge (Option) N/A

 - 3.14 Steering and column (Tilt and Telescoping) ACTION

Disassembled for something



● 3.15 Parking brake operation

ACTION

Pedal cover off



● 3.16 Foot brake operation

NORMAL

● 3.17 Gear selector and operation

NORMAL

Shifts good

● 3.18 Cab door(s) operation

NORMAL

● 3.19 Cab door(s) sealing and latches

GOOD

● 3.20 Radio

NORMAL

● 3.21 Inspect cab glass

NORMAL

● 3.22 Operators manuals and drawers

NORMAL

● 3.23 Inspect propulsion lever for smooth operation (FWD, Neutral and rev)

NORMAL

● 3.24 Road travel switch (Red Switch for hydraulics)

NORMAL

● 3.25 Inspect keypad and/or dials of CEBIS or IMO

NORMAL

●	3.26 Engagements (Threshing, header and unloading)		NORMAL
●	3.27 Disengagements (Threshing, header and unloading)		NORMAL
●	3.28 Seat occupancy switch		NORMAL
●	3.29 Inspect console		NORMAL
●	3.30 Check reverse/backup alarm operation		NORMAL
●	3.31 Check horn operation		GOOD
●	3.32 Inspect central electrics compartment(s)		NORMAL
Cab/Operators Platform-Machine function (Run engine high RPM)			
●	4.1 Console switches for function		NORMAL
●	4.2 Multi-function lever switches		NORMAL
●	4.3 Check combine to ensure adjusting to different crop settings		NORMAL
●	4.4 Printer (option)		N/A
●	4.5 Check variable feederhouse speed (option). Check OMM for correct speed range		NORMAL
	4.5.1 High Speed	430 RPM	
	4.5.2 Low Speed	280 RPM	
●	4.6 Check threshing cylinder speed. Check OMM for correct speed range		NORMAL
	4.6.1 High Speed	1170 RPM	
	4.6.2 Low Speed	380 RPM	
●	4.7 Check threshing cylinder speeds Check OMM for correct speed range		NORMAL
	4.7.1 High Speed		
	4.7.2 Low Speed		
●	4.8 Check variable rotor speed (option). Check OMM for correct speed range		NORMAL
	 High speed alittle on the low side		
	4.8.1 High Speed	900 RPM	
	4.8.2 Low Speed	450 RPM	

●	4.9 Check fan Speed. Check OMM for correct speed range.		<i>NORMAL</i>
	4.9.1 High Speed	1600 RPM	
	4.9.2 Low Speed	530 RPM	
●	4.10 Check concave open and closed measurements. Indicate those measurements from the CEBIS screen below.		<i>NORMAL</i>
	4.10.1 Concave measurement open	50 MM	
	4.10.2 Concave measurement closed	7 MM	
●	4.11 Check top sieve open/close function		<i>NORMAL</i>
	4.11.1 top sieve open measurement	20 MM	
	4.11.2 Top sieve close measurement	0 MM	
●	4.12 Check bottom sieve open/close function		<i>NORMAL</i>
	4.12.1 bottom sieve open measurement	20 MM	
	4.12.2 bottom sieve close measurement	0 MM	
●	4.13 Tip: After a warm up run of the engine and components (15 minutes minimum), compare bearing temps (left/right) as an aid for bearing inspections		<i>COMPLETED</i>



First stage feeder house drive tensioner bearings getting warm

Front - Feederhouse

●	5.1 Lower Feederhouse		<i>COMPLETED</i>
●	5.2 Inspect master cylinders (Brake components)		<i>NORMAL</i>
●	5.3 Inspect steering orbitrol valve		<i>NORMAL</i>
●	5.4 Front face panels/decals		<i>MONITOR</i>



Starting to wear thin and crack



- **5.5 Feederhouse dust extractor (if equipped)** *NORMAL*
- **5.6 Header drive shafts** *NORMAL*
- **5.7 Inspect multi-coupler** *MONITOR*

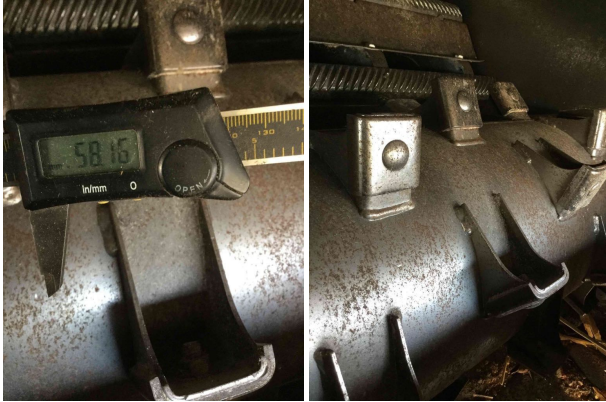
Coupler looks ok. Clamp on cord coming apart



- **5.8 Inspect front protective guards** *NORMAL*
- **5.9 HP faceplate (option)** *NORMAL*
- **5.10 HP adjusting linkage (option)** *NORMAL*
- **5.11 Check HP cylinder and lines for leaks and condition (option)** *NORMAL*
- **5.12 Inspect feederhouse wiring harnesses and connectors** *NORMAL*
- **5.13 Inspect feederhouse for damaged sensors and/ or switches** *NORMAL*
- **5.14 Inspect cruise pilot components and linkages (option)** *N/A*
- **5.15 Inspect the feederhouse reverser for wear, drive motor for leaks and linkage for the free movement** *NORMAL*

-
- **5.16 Inspect threshing inspection door above feederhouse** *NORMAL*
 - **5.17 Inspect APS drum** *NORMAL*
 - **5.18 Inspect APS wear caps** *NORMAL*
-

58 mm. Have not been turned



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- **5.19 Inspect threshing cylinder (Inc. rasp bars and filler plates (option))** *NORMAL*

Looks good. Rasp bars at 7.99 mm



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- **5.20 Inspect returns auger/bearing and outlet** *ACTION*

Anti wrap rubber gone. Auger is wrapped up with corn straw. Tube is cracking at seem



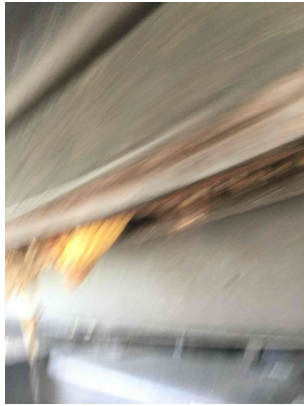
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|---|--|-----------|
| ● | 5.21 Raise feederhouse | COMPLETED |
| ● | 5.22 Engage and inspect safety locks | NORMAL |
| ● | 5.23 Inspect the conveyor chains for excessive wear and proper tension | NORMAL |
| ● | 5.24 Inspect chain slats, guides/ sprockets and respective gib keys | ACTION |

🗨️ 5-6 slats bent. Connector link lock is missing



- | | | |
|---|--|---------|
| ● | 5.25 Inspect wear strips on the floor of the feederhouse | NORMAL |
| ● | 5.26 Inspect auto contour/HP cylinders for damage or oil leaks | NORMAL |
| ● | 5.27 Inspect stage 2/stage 3 (option) drive belt, pulleys, tensioners and idlers for proper alignment, unusual wear grease build up or glazing | NORMAL |
| ● | 5.28 Inspect all feederhouse bearings | NORMAL |
| ● | 5.29 Inspect frame of the feederhouse for structural damage | NORMAL |
| ● | 5.30 Inspect and clean rock trap | MONITOR |

Full of corn



●	5.31 Inspect disawning plates and linkage	NORMAL
●	5.32 Inspect intensive threshing segments (ITS) and hardware (option).	N/A
●	5.33 Inspect preconcave for debris build up and damages	NORMAL
●	5.34 Check the concave clearance on the APS	NORMAL
●	5.35 Inspect the prep floor and prep frame	NORMAL
●	5.36 Inspect feederhouse lift cylinders and hydraulic lines	ACTION

Pin retaining pins broken is



●	5.37 Inspect feederhouse dampening springs or accumulators/valve. Machines equipped with accumulators, Check accumulator pressures with feederhouse resting on locks.	NORMAL
	5.37.1 Accum 1	
	5.37.2 Accum 2	
	5.37.3 Accum 3	

- 5.38 Inspect track suspension (option) NORMAL

- 5.39 Inspect the top of the transmission including harnesses/connectors, actual value switches, hydraulic lines/valve and debris build up ACTION

Debris built up in the back
Missing clamp on hydraulic tubes



- 5.40 Inspect transmission mount and frame structure for cracks/bad welds and transmission seal for leakage NORMAL

- 5.41 Inspect parking brake adjustment NORMAL

- 5.42 Inspect service brake calipers and adjustment NORMAL

- 5.43 Inspect clean grain cross auger/flighting and housing NORMAL

- 5.44 Inspect returns cross auger/flighting and housing NORMAL

- 5.45 Inspect 200 KW drive oil cooler pump, belt, lines and cooler group for defects, leaks, or heat marks N/A

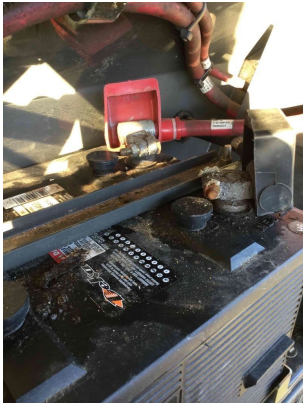
Left Side of Machine

- 6.1 Check and remove the battery disconnect switch NORMAL

- 6.2 Open/close of LH side shield NORMAL

- 6.3 Inspect battery and tools compartment NORMAL

Some corrosion around post



- | | | |
|---|---|---------------|
| ● | 6.4 Remove and inspect LH guards | <i>NORMAL</i> |
| ● | 6.5 Inspect decals on LH side | <i>NORMAL</i> |
| ● | 6.6 Inspect impeller drive belt, pulleys, tensioners and idlers for proper alignment, unusual wear, grease build up or glazing | <i>NORMAL</i> |
| ● | 6.7 Inspect feederhouse direct drive stage 1, step drive or variator drive pulleys, tensioners, idlers for proper alignment, unusual wear, grease build up or glazing (option) | <i>ACTION</i> |

☞ Some movement in variable pulley. First stage tensioner pulley bearings getting warm



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|---|--|---------------|
| ● | 6.8 Inspect hydraulic reel drive and pump null position (option) as well as seals/hoses for leakages and proper operation | <i>NORMAL</i> |
| ● | 6.9 Inspect rotor covers hydraulic valve/lines (option) | <i>N/A</i> |
| ● | 6.10 Check linkages for free movement of left side concave open/close | <i>ACTION</i> |

☞ Left side rear linkage fell apart concave not level



● 6.11 Inspect lubricating lines for major components on left side NORMAL

● 6.12 With concave fully closed, check left side concave clearance on the threshing cylinder (refer to OMM) ACTION

☞ Need to adjust

6.12.1 Front Left

6.12.2 Rear Left

● 6.13 Inspect concave for debris build up, damage and/or excessive wear NORMAL

● 6.14 Check concave accumulators stored pressure reading (may or may not be equipped with) NORMAL

6.14.1 Pressure 130 Bar

● 6.15 Inspect working hydraulic stack for leakages and electrical wiring harnesses/connectors for damage NORMAL

● 6.16 Inspect the left side final drive shafts and couplings for unusual spline wear or damage NORMAL

☞ Drive shafts should be cleaned and lubed

● 6.17 Inspect left side tires rims/tracks for loose hardware or damaged hardware as well as excessive wear, damage and proper air pressure MONITOR

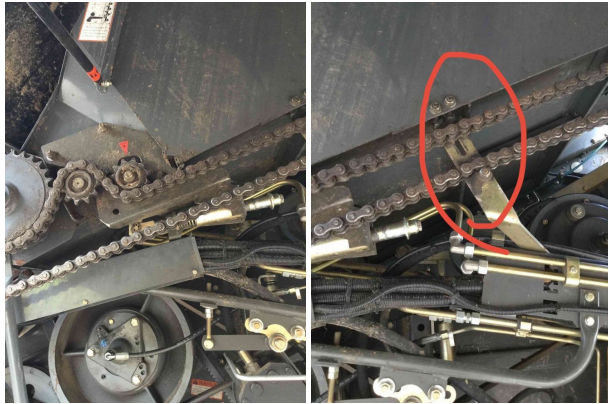
☞ Missing guide blocks



●	6.18 Inspect left side cleaning fan and housing	NORMAL
●	6.19 Inspect left side sieve pan bushings and rocker arm drive	NORMAL
●	6.20 Inspect master valve (Y77) for hydraulic leakages or damage electrical harnesses/connectors	NORMAL
●	6.21 Inspect sieve pan stage 1 drive belt, pulleys, tensioner and idlers for proper alignment, unusual wear, grease build up or glazing	GOOD
●	6.22 Inspect sieve pan stage 2 drive belt, pulleys, tensioner and idlers for proper alignment, unusual wear, grease build up or glazing	NORMAL
●	6.23 Inspect sieve pan stage 3 drive belt, pulleys, tensioner and idlers for proper alignment, unusual wear, grease build up or glazing	NORMAL
●	6.24 Inspect straw chopper stage 2 drive belt, pulleys, tensioner and idlers for proper alignment, unusual wear, grease build up or glazing	NORMAL
●	6.25 Inspect shaker drive belt, pulleys, tensioner and idlers for proper alignment, unusual wear grease build up or glazing	N/A
●	6.26 Inspect deflector curtain (Straw walker)	N/A
●	6.27 Inspect chaff spreader and/or unispreader (option) pump(s)	NORMAL
●	6.28 Inspect steering pump (may or may not be equipped)	N/A
●	6.29 Inspect engine transfer gearbox and seals for leakage	ACTION
	 Drain hose is leaking by gearbox	
●	6.30 Inspect main drive belt, pulley, tensioner, guards and idlers for proper alignment, unusual wear, grease build up or glazing	NORMAL
●	6.31 Inspect unloading engage drive belt, pulley, tensioner, guards and idlers for proper alignment, unusual wear, grease build up or glazing	NORMAL

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- 6.32 Inspect straw chopper engage drive belt, pulley, tensioner, guards and idlers for proper alignment, unusual wear, grease build up or glazing *NORMAL*
 - 6.33 Inspect engagement cylinders for leakage *NORMAL*
 - 6.34 Inspect feederhouse engagement clutch and hydraulic line *NORMAL*
 - 6.35 Inspect the auger drive chain and sprockets for excessive wear, timing and improper tension/alignment *ACTION*
-

🗨 Chain extremely loose and augers out of time. Missing guide block



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- 6.36 Inspect vertical unloading tube, flighting and inspection door (may or not be equipped) *NORMAL*
 - 6.37 Inspect upper and lower unloading auger gearboxes for seal leakage, wear and grease *NORMAL*
-

🗨 Ok



-
- 6.38 Inspect the elbow of the unloading auger for cracks or broken hardware *ACTION*
-

🗨 Back angle gearbox bolt broken off



- 6.39 Inspect left side for damaged sensors and/or switches NORMAL

Cleaning / Separation Area

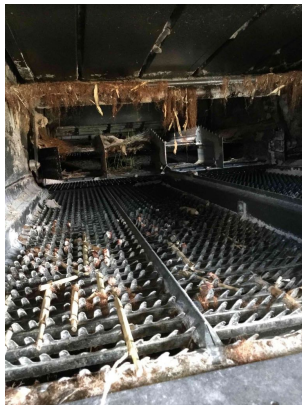
- 7.1 Inspect hydraulic motors for chaff spreader and ensure that the motors operate properly without any leakage NORMAL
- 7.2 Inspect the arm and the linkages of the chaff spreader for free movement and any damage NORMAL
- 7.3 Inspect rear axle steering cylinders and mud hog motors for leaks NORMAL

Need to lift up axle and grease King pins

- 7.4 4 link rear axle: check drive motor, gearboxes and final drives for leaks, damage or worn components (option) N/A

- 7.5 Check work light and external sieve open/close switches ACTION

Light doesn't work. Switches don't move



- 7.6 Inspect sieve linear adjustment motors, linkage, connectors and wiring NORMAL

- 7.7 Inspect upper sieves and the lower sieves for any damaged fingers, damaged linkages or debris build up

REPAIR

Dirty over the sieves



● 7.8 Measure upper sieve actual gap to display gap in monitor (refer to OMM for details)	NORMAL
● 7.9 Measure lower sieve actual gap to display gap in monitor (refer to OMM for details)	NORMAL
● 7.10 Inspect sieve pan rubber seals	NORMAL
● 7.11 Inspect grain loss sensors/grain meter (option) connectors and wiring-Run grain loss sensor test	NORMAL
● 7.12 Inspect return pan linkages and megu bushings	NORMAL
● 7.13 Drop return pan	COMPLETED
● 7.14 Inspect the flighting of the rotors and rotor tube for cracking, wear and damage	NORMAL
● 7.15 Inspect the removable grates and the cage for wear and damage	NORMAL
● 7.16 Inspect hardware attaching rotor feed head and rotor cage - visually inspect bolts	NORMAL
● 7.17 Inspect and clean hydraulic/electric rotor cover flaps and linkages (option)	N/A
● 7.18 Inspect the straw walkers for structural damage	N/A
● 7.19 Inspect the straw walkers for openings that are plugged	N/A
● 7.20 Inspect the straw walkers bearings for excessive play	N/A

- 7.21 Inspect the components of the intensive separation system or multifinger separation system (ISS or MSS) for excessive movement and wear N/A
- 7.22 Inspect straw walkers to make sure they are not rubbing N/A

Right Side of Machine

- 8.1 Open/close of RH side shield NORMAL
- 8.2 Remove and inspect RH guards NORMAL
- 8.3 Inspect decals on RH side NORMAL
- 8.4 Inspect APS drive belt, pulleys, tensioners and idlers for proper alignment, unusual wear, grease build up or glazing NORMAL
- 8.5 Inspect the two-speed gearbox of the threshing cylinder for leaks around the seals and signs of overheating (option) NORMAL
- 8.6 Inspect threshing drive belt, pulleys, tensioners and idlers for proper alignment, unusual wear, grease build up or glazing ACTION

 Grease fitting in drive variable pulley missing



- 8.7 Check linkages for free movement of right side concave open/close NORMAL
- 8.8 With concave fully closed, check right side concave clearance on the threshing cylinder (Refer to OMM) ACTION

 Need to adjust

8.8.1 Front Right

8.8.2 Rear Right

- 8.9 Inspect concave for debris build up, damage and/or excessive wear NORMAL

● 8.10 Inspect lubricating lines for major components on right side *NORMAL*

● 8.11 Inspect threshing drive variator belt and pulleys for proper alignment, unusual wear, grease build up glazing; check rotary coupling for hydraulic leaks *NORMAL*

● 8.12 Inspect the right side of final drive shafts and couplings for unusual spline wear or damage *NORMAL*

Should clean and lube

● 8.13 Inspect right side tires rims/tracks for loose hardware or damaged hardware as well as excessive wear, damage and proper air pressure. *NORMAL*

Tracks are worn



● 8.14 Inspect cleaning fan stage 1 drive belt, pulleys, tensioner and idlers for proper alignment, unusual wear grease build up or glazing *NORMAL*

● 8.15 Inspect cleaning fan stage 2 variator drive belt, pulleys and electric motor for proper alignment, unusual wear grease build up or glazing *NORMAL*

No

8.15.1 Standard speed reduction pulley?

● 8.16 Inspect cleaning fan stage 3 drive belt, pulleys, tensioner and idlers for proper alignment, unusual wear grease build up or glazing (Jet Stream cleaning) *NORMAL*

● 8.17 Inspect drive, fan, hose and housing for rotary or planar screen chaff suction *NORMAL*

● 8.18 Inspect right side cleaning fan and housing *GOOD*

● 8.19 Inspect the conveyor chains of the clean grain and returns elevator for proper tension and wear, chains should just be snug on sprockets *NORMAL*

Should adjust

8.20 Inspect the lower housing of the clean grain elevator for excessive wear *GOOD*

8.21 Inspect the clean grain and the return paddles for excessive wear, cracks or misalignment. Note: on 400/500 series machines with ag leader, 3 paddles may be removed. *NORMAL*

After market chain

8.21.1 Paddles removed?

8.22 Inspect the sprockets of the clean grain and returns elevator for excessive wear and ensure that the sprockets are properly aligned *ACTION*

Sprockets are worn



8.23 Inspect the housing on the elevators for damage or holes around the lower boot areas *NORMAL*

8.24 Inspect hydraulic tensioner for leaks or if valve is installed (option) *N/A*

8.25 Inspect gate and quantimeter>Returns monitoring components (moisture sensor, laser senders, receivers and eye glasses) *NORMAL*

8.26 Inspect right side sieve pan bushings and rocker arm drive *NORMAL*

8.27 Inspect 3-D sieve canister/hydraulic cylinder and lines for leakages and linkages for damage *NORMAL*

8.28 Inspect fuel filter *NORMAL*

8.29 Check the fuel system for presence of water and drain water as needed (check both the primary fuel/water separator as well as the fuel tank on/off valve for water in the fuel tank) *COMPLETED*

8.29.1 Water Present?

No Yes or No

- 8.30 (walker units) - Inspect the drive belts of the ISS or MSS for cracks, glazing and proper tension N/A

- 8.31 Inspect rotor stage 1 drive belt, tensioners, idlers and pulleys for proper alignment, unusual wear, grease build up glazing; also check rotary coupling for hydraulic leaks (option) NORMAL

- 8.32 Inspect rotor step/variator drive belt, tensioners, idlers and pulleys for proper alignment, unusual wear, grease build up glazing; also check rotary coupling for hydraulic leaks (option) ACTION

Should replace worn slides both variators

- 8.33 Inspect rotor drive lubricating lines for damage or cracks NORMAL

- 8.34 Inspect right side for damaged sensors and/or switches NORMAL

Top - Engine Compartment / Grain Tank

- 9.1 Inspect service ladder, frame and swivel for operation ACTION



No ladder
Crack on back housing



- 9.2 Inspect rotary screen, planar screen or dynamic cooling drive, housing, latches and seals ACTION

Rotary screen seal worn



●	9.3 Inspect oil cooler, condenser, radiator, check air cooler and fuel cooler for damage or leaks	<i>NORMAL</i>
●	9.4 Inspect the chain drive and components for the grain tank fill auger	<i>NORMAL</i>
●	9.5 Inspect the upper housing of the clean grain elevator for excessive wear	<i>NORMAL</i>
●	9.6 Inspect the air filter intake system	<i>NORMAL</i>
●	9.7 Inspect the air filter/cleaner and hoses/pipes for leaks or plugging	<i>MONITOR</i>
	 Filter is dirty	
●	9.8 Inspect top side of rotors/walkers for damage or wear	<i>NORMAL</i>
	 Lots of debris on top	
●	9.9 Open/close engine compartment door	<i>NORMAL</i>
●	9.10 Inspect the belts on the engine for cracks, glazing or improper tension	<i>NORMAL</i>
●	9.11 Inspect the engine for fluid leaks	<i>NORMAL</i>
●	9.12 Inspect engine mounts for damage or cracks	<i>NORMAL</i>
●	9.13 Inspect the radiator cap, the hoses and the connections for leaks	<i>NORMAL</i>
●	9.14 Inspect the clamps on the intake of the turbocharger for looseness or damage	<i>NORMAL</i>
●	9.15 Check the exhaust system for broken clamps or a damaged muffler including the aspirator tube	<i>NORMAL</i>

- **9.16 Inspect hydraulic pumps and additional valves/ hoses for any leaks or cracked seals** *NORMAL*

☞ No leaks seen

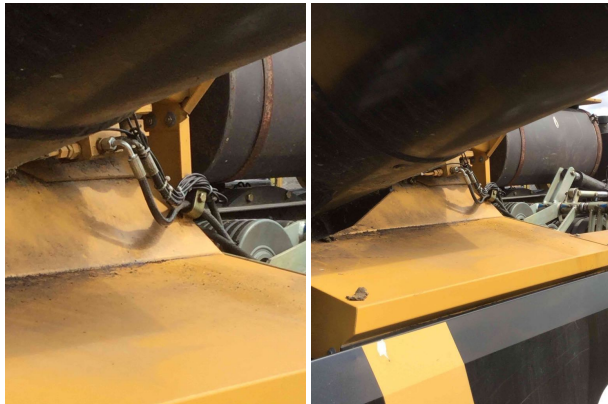
- **9.17 Inspect electrical components for hydrostatic ground drive (EFA or GDM option) - optional check/calibration/update** *NORMAL*

- **9.18 Inspect mechanical cable control for hydrostatic ground drive (No EFA or GDM) - optional check/ calibration/update with CDS** *N/A*

- **9.19 Inspect auger tube/boot of the unloading auger for wear or damage** *NORMAL*

- **9.20 Inspect swing cylinder of the unloading auger and the hydraulic lines/ valve for leaks or damage** *ACTION*

☞ Hose to cylinder leaking



- **9.21 Inspect grain tank fill auger and the cross augers/covers in the grain tank for excessive wear or damaged flighting** *NORMAL*

- **9.22 Inspect the auger tube of the grain tank fill auger for excessive wear or holes** *MONITOR*

☞ Top deflector bent



- | | | |
|---|---|-----------|
| ● | 9.23 Inspect the grain tank extensions for damage; ensure that the extensions operate properly and that the extensions do not bind during operation | NORMAL |
| ● | 9.24 Inspect the electric motor/hydraulic valves for the grain tank extensions for proper operation | NORMAL |
| ● | 9.25 Inspect the grain tank structure for distortion, cracks or holes | NORMAL |
| ● | 9.26 Inspect grain sample chute | NORMAL |
| ● | 9.27 Inspect gas strut(s) | NORMAL |
| ● | 9.28 Inspect grain tank 70% and 100% full sensors and grain tank open/close actual value switch | NORMAL |
| ● | 9.29 Remove Rotor/impeller access doors | COMPLETED |
| ● | 9.30 Inspect the bolt, the bearing, the trunnion and the sealing plate on the front of the rotors for excessive play or damage | NORMAL |

Could use more grease



- | | | |
|---|---|--------|
| ● | 9.31 Check rotor bearings to make sure they are full of good grease and free of dirt/chaff build up | NORMAL |
|---|---|--------|

Could use more grease



- 9.32 Inspect impeller drum and wear plates (option) for excessive wear or damage. measure and record height of impeller paddles on the outside and inside areas.

NORMAL

Wearing in center but ok



- 9.33 Inspect impeller serrated plates for wear. Also inspect stationary serrated plate for wear (option)

N/A

- 9.34 Inspect components of the HVAC system including, heater core, evaporator, condenser, a/c compressor and HVAC lines and hoses

ACTION

No freon in system

Rear - Straw Chopper

- 10.1 Inspect the rear rotor hubs and the bushings for cracks or signs of separation
- 10.2 Inspect the left and right rotor gearbox for leaks
- 10.3 Inspect the shafts and couplings of the rotor gearbox for excessive wear

NORMAL

NORMAL

NORMAL

●	10.4 Inspect the rotor discharge housing	NORMAL
●	10.5 Inspect the straw jam guard and straw jam actual value switch	NORMAL
●	10.6 Inspect the knives on the chopper drum for excessive wear or damage	ACTION

 None installed



●	10.7 Inspect the stationary knives for excessive wear or damage as well functionality in/out	NORMAL
●	10.8 Inspect straw chopper stage 3 drive belt, pulleys, tensioners and idlers for proper alignment, unusual wear, grease build up or glazing	NORMAL
●	10.9 Inspect the bearings of the straw chopper for excessive play, proper alignment and adequate grease (may or may not require greasing)	GOOD
●	10.10 Inspect the straw chopper tailboard, chopper floor and spreader/deflectors (turbo chop, pro chop) for wear or damage	NORMAL
●	10.11 Inspect turbo chop drive gearboxes, driveshafts, braking system, valves, wiring harnesses and actuators for damage, wear and debris (option)	N/A
●	10.12 Inspect straw spreader and straw spreader components for wear or damage	NORMAL

Information downloads and review

●	11.1 Download and record all fault codes, machine configuration and software settings and retain locally for 12 months	NORMAL
●	11.2 Review fault codes for trends to take action on	NORMAL

 No logged faults

●	11.3 Take SOS samples of all major fluid compartments 1/2 gal capacity or larger.	<i>NORMAL</i>
●	11.4 Review all SOS sample results for interpretation and take appropriate actions as needed.	<i>NORMAL</i>
●	11.5 Review maintenance history and discuss upcoming maintenance needs	<i>COMPLETED</i>