

INSPECTION SUMMARY

Agco / Challenger Rogator 1300B Fertilizer Applicator

SN AGCA1300AHNS31100

Sikeston, Missouri

February 27, 2020

Equipment Inspection Location: Alliance Ag, 2907 State Highway 62, Sikeston, Missouri 63801

Inspection Date: February 24, 2020

Description: 2017 Agco / Challenger Rogator RG1300B Self Propelled Fertilizer Applicator

Serial Number: AGACA1300AHNS31100

Hours: 1526 Metered Hours

General Description: Cab, Agco 339-HP Diesel Engine, Bosch Rexroth Hydrostatic Transmission, 4WD, 4-Wheel Steer, Hydraulic Track Adjustment, Air Ride Suspension, Valmar Airmax AM180 Row Crop Dry Fertilizer Spreader, Steel Fertilizer Box, Agri-Cover SRT-2 Spool Roll Tarp, Dual 14" Stainless Steel Mesh Conveyors, 60' Stainless Steel Air Boom, Marker System with 36-Gallon Stainless Steel Tank, Hydraulic Fold, Raven Viper Pro Control Monitor, Raven Accuboom Section Control, Front and Rear Fenders, Rear Back Up Camera, 380/90R46 Tires

Cab: Good condition. The interior of the cab is in overall good condition. No apparent odor and not excessively dirty. No tears in seat or buddy seat.

Cab Glass: Good condition. No chips, cracks or window fogging.

Cab Systems: Fair to Average condition. The Low Hydraulic fluid level light is displayed. Personnel of Alliance Ag said it was probably due to a rusted sensor. Otherwise all lights, heat and A/C functioning and maintained.

Cab Components: Raven GPS System and Controls. Good condition. Appear to function and are maintained. Personnel of Alliance Ag noted the wires hanging loose in cab were for Lessee purchased electronics.

Engine: Agco 339-HP Diesel Engine. Good condition. Readily starts and shuts down crisply.

Transmission: Bosch Rex Roth Hydrostatic Transmission. Good condition. Seemed to shift properly.

Tires: 380/90R46 Tires. No side wall damage or weather checking. All tires are holding air. Approx. 40-50% tread life remaining.

Mechanical Condition: Fair to average condition. The low hydraulic fluid level light is being displayed. The fitting on the right rear hydraulic steer cylinder broke and leaking due to corrosion. Otherwise this unit runs, drives, and operates, as it was manufactured to do.

Applicator Components: Fair to average condition. Steel components have scattered rust. The right boom marker hose is broke and both drop hoses are missing. The stainless steel components appeared in good condition. The conveyors, booms and blower appear to be in good condition and functioning properly. The tarp was not rolled out at the time of inspection.

Exterior Condition: Fair condition. Several spots of rust, on steel components. The underside of the machine is rusted. Hydraulic fittings are rusted. No noticeable cracks in the plastic components of the machine.

Overall Condition: Fair to average condition. The machine seemed to run, drive, and function as it was manufactured to do. The hydraulic fitting for steering cylinder needs to be repaired. The marker hose needs to be repaired and both drop hoses need to be replaced.

Maintenance: Provided. Normal maintenance and repairs have been done as needed.

Estimate of Repairs: Personnel of Alliance Ag said it would cost approx. \$700 to repair the hydraulic hose fitting, sensor, marker hose, and marker hose drops.

Inspector Notes: Fair to average condition. Steel components showing scattered rust. Components need to be repaired or replaced.