

Lubricating Oil no longer needed for GrainGages

Juniper Systems has been working with the manufacturer of the pneumatic cylinders used with all model of GrainGages to improve reliability. After considerable research and analysis, the cylinder manufacturer has recommended to Juniper Systems, that we no longer add lubricating oil to the air supply. It has been determined that excessive lubricating oil is the leading cause of dirt build up and premature failure of cylinders and solenoids. The cylinder manufacturer has stated that the cylinders used with the GrainGage products are sealed; therefore, lubricating oil is not required.

When retrofitting a system with new cylinders and solenoids, be sure to follow the steps below before installing your new parts:

1. Bleed off the air pressure from the system.
2. Drain all oil from the lubricator bowl.
3. Remove the bowl. Wipe the bowl and the oil siphon tube clean of oil.
4. Reinstall the bowl.
5. Disconnect the black poly air hose from the safety cutoff valve on your GrainGage.
6. Start the compressor and allow air to blow through the hose for two or three minutes to remove any remaining oil from the system. Stop the compressor.
7. Reconnect the black poly air hose to the safety cutoff valve.
8. Install the new actuators and solenoids.

IMPORTANT: Before eliminating lubricating oil from your pneumatic system, check with your combine manufacturer or re-seller to make sure there are no additional pneumatic components that require lubrication. These may include pneumatic actuators and solenoids for air diverters or sub-samplers. You will need to retrofit those parts as well as the parts in your GrainGage. You will have to obtain those parts from your combine re-seller. Failure to replace these parts when you go oil-less may cause them to fail prematurely.