

## 2-Strand Oven Chain Maintenance & Service

This section will describe service procedures for major mechanical elements of your system.

### **⚠ WARNING ⚠**

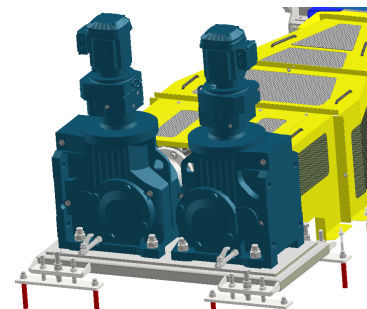
Only qualified and trained personnel should perform the disassembly and assembly of electrical and mechanical components.

### Switching Direct Coupling Main to Standby Gearmotor

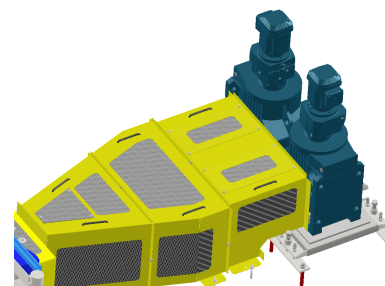
- 1 Remove and lock out power to the 2-Strand Oven Chain Direct Coupling conveyor using your plant's procedures.



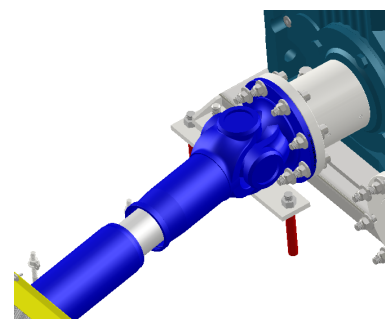
- 2 Manually release the brake on the main Gearmotor to release any tension from the chains.



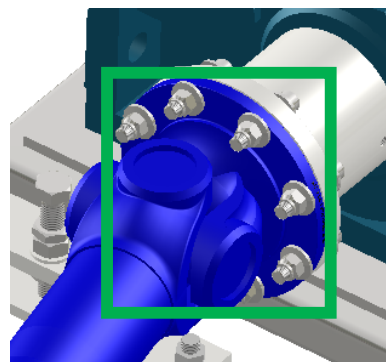
- 3 Undo the hex heads and remove the guards covering the cardan shaft.



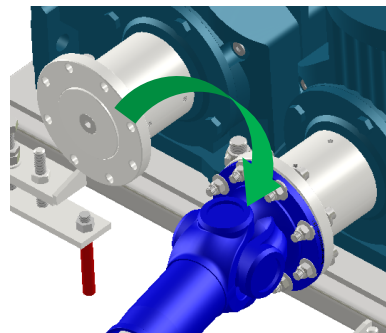
- 4 Loosen the set screw in the cardan shaft at the gearmotor end.



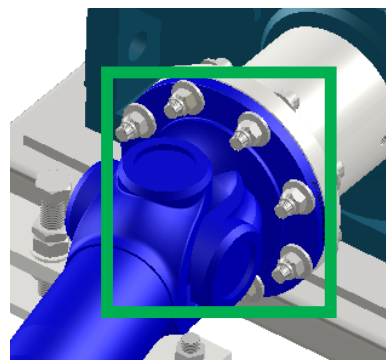
- 5 Undo the M16 bolts (8) holding the cardan shaft onto the companion flange at the main Gearmotor.



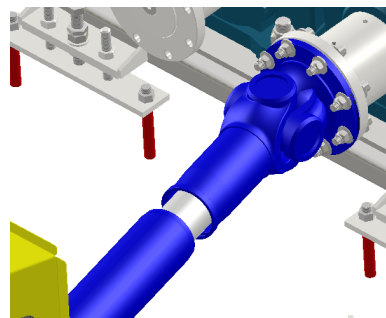
- 6 Remove the cardan shaft from the main gearmotor and attach to the standby gearmotor finger tight.



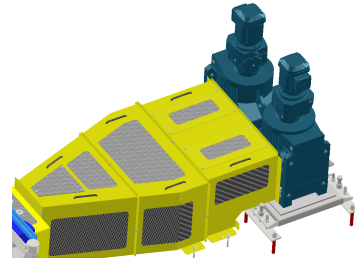
- 7 Tighten the M16 bolts (8) to 219 Nm and secure the cardan shaft to the companion flange.



- 8 Tighten the setscrew on the cardan shaft.



- 9 Return any removed guards.



Restore power to the conveyor.

- 10 Make any changes necessary at the HMI to inform the system controller that you switched to the standby motor.

Verify proper function of the chain conveyor.

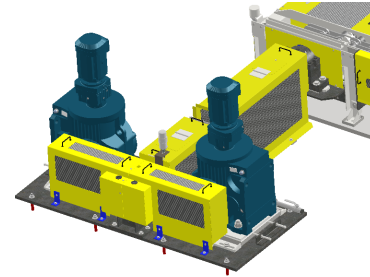


## Switching Indirect Coupling Main to Standby Gearmotor

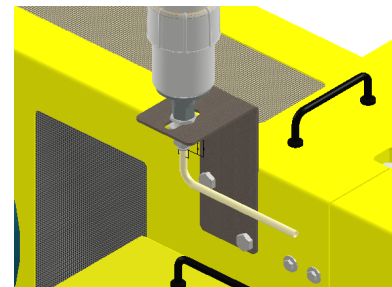
- 1 Remove and lock out power to the 2-Strand Oven Chain Indirect Coupling conveyor using your plant's procedures.



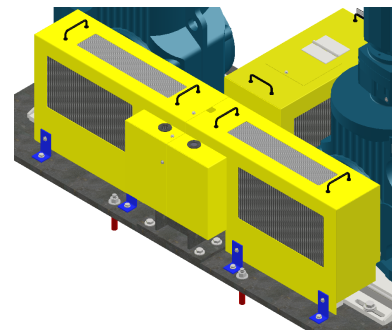
- 2 Manually release the brake on the main Gearmotor to release any tension from the chains.



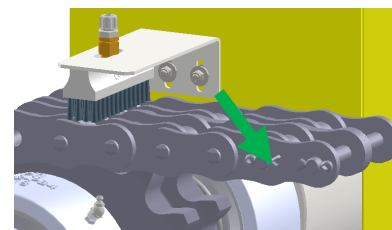
- 3 Undo the M10 bolts (2) to remove the lubrication cartridge mounting bracket. Carefully set this aside to return later.



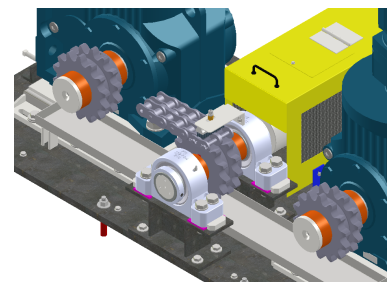
- 4 Undo the hex heads and remove the guards covering the chain coupling.



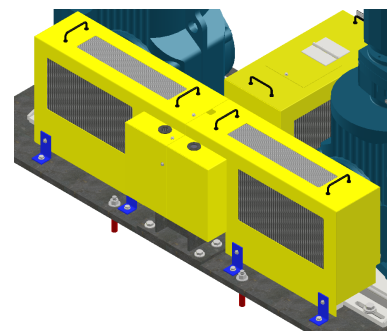
- 5 Find and undo the master link to the chain coupling to free the chain from the main gearmotor sprocket.



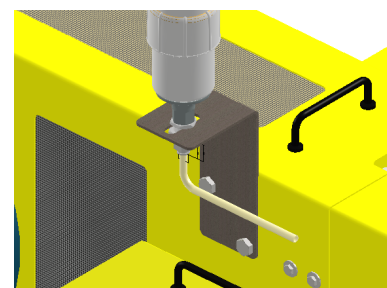
- 6 Reconnect the chain coupling to the standby gearmotor sprocket.  
Adjust the chain tension properly if necessary.



- 7 Return any removed guards.



- 8 Return the M10 bolts (2) to secure the lubrication cartridge mounting bracket.



Restore power to the conveyor.

- 9 Make any changes necessary at the HMI to inform the system controller that you switched to the standby motor.

Verify proper function of the chain conveyor.

