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Product bulletin

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Magnus VLF MCU Grease Lubricators

Problem

There are two potential problems with the MCU grease lubricators:

- The lubricator is filled with the wrong grease.
- The lubricator is not working and the jackscrew is not being greased.

Due to the unreliability and high cost of the lubricators, from MCU MM078 onwards the MCU's will no longer have the lubricators installed. See ECO CA08201 for details. For MCU's that do have the lubricator installed, perform the inspection and action procedures shown in this document.

Inspection

Determine if the lubricator has the correct grease

Open the MCU and locate the lubricator. Remove the hose and fittings from the lubricator and inspect the grease color. The grease in the lubricator reservoir should be cream or beige in color. The incorrect grease is clear as shown in the photo on the right. The photo on the left shows the correct grease container (Loctite® Viperlube).



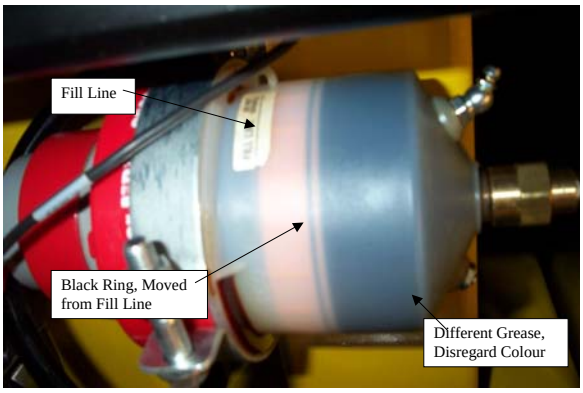


If you are still unsure if the grease is correct, compare this to the color of the grease on the jackscrew. Because the jackscrew grease changes to black with use, inspect the unused excess grease on the upper most portion of the jackscrew where the nut does not travel.

Determine if the lubricator is working

Check that the lubricator is working correctly using one or more of the methods below.

The black ring inside the lubricator should have moved up from the fill to line indicated on the reservoir body. Note that if the lubricator is relatively new, then the black ring may not have moved.



- Disconnect the hose from the lubricator and connect a 24 VDC supply to the lubricator terminals.
  Note: It is critical that you connect the supply correctly or the lubricator will fail.
  With the voltage connected, the unit will dispense grease at a very slow rate. Do not run the lubricator for more than 1 minute, as this could cause it to fail.
- Disconnect the hose from the lubricator. In the firmware, set the TotalMCUMotorRunTime to > 10800 and drive the forks up and down through service shell (`>>cassette move <1,2.3.4`). The lubricator should turn on and dispense grease at a very slow rate.

Actions

If the lubricator is working but has the incorrect grease:

1. Disconnect the cable from the terminal on the lubricator. Be sure to insulate the forks on the end of the cables to ensure they do not short circuit.
2. Disconnect the hose from the lubricator.
3. Determine if the clear grease has contaminated the jackscrew and nut by disconnecting the hose from the lubricator and inspecting the grease inside the hose.
   - If the clear grease is not at the end of the hose, the system is not contaminated.
   - If the clear grease has made its way through the entire length of the hose, the jackscrew and nut must be considered contaminated.
4. If the jackscrew and nut are contaminated, thoroughly clean them and re-lubricated them with Loctite Viperlube (Creo part number 404-00135).
5. Remove the lubricator and discard it as per your local district regulations.

If the lubricator is working and has the correct grease:

1. Check that the jackscrew has sufficient grease and add grease if needed (Creo part number 404-00135).
2. Lubricate the jackscrew during every planned maintenance (PM) visit (see PM procedures).

If the lubricator is not working and has the incorrect grease:

1. Disconnect the cable from the terminal on the lubricator. Be sure to insulate the forks on the end of the cables to ensure they do not short circuit.
2. Disconnect the hose from the lubricator.
3. Determine if the clear grease contaminated the jackscrew and nut by disconnecting the hose from the lubricator and inspecting the grease inside the hose.
   - If the clear grease is not at the end of the hose, the system is not contaminated.
   - If the clear grease has made its way through the entire length of the hose, the jackscrew and nut must be considered contaminated.
4. If the jackscrew and nut are contaminated, thoroughly clean and re-lubricated them with Loctite Viperlube (Creo part number 404-00135).
5. Remove the lubricator and discard it as per your local district regulations.

If the lubricator is not working and has the correct grease:

1. Leave the lubricator connector and hose connected.
2. Lubricate the jackscrew with Loctite Viperlube (Creo part number 404-00135).
3. Lubricate the jackscrew during every PM visit.
4. Mark the lubricator as ‘Not Working’.

About Creo

Creo is a world leader in solutions for the graphic arts industry. Core product lines include image capture systems; inkjet proofers; thermal imaging devices for films, plates and proofs; professional color and copydot scanning systems; workflow management software; and proofing and printing consumables. Creo is also an Original Equipment Manufacture supplier of on-press imaging technology, components for digital presses, and color servers for high-speed, print-on-demand digital printers. Creo trades under the symbols CREO on NASDAQ and CRE on the Toronto Stock Exchange. www.creo.com

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