

D3 DIRECT DRIVE SPINDLE NOTICE

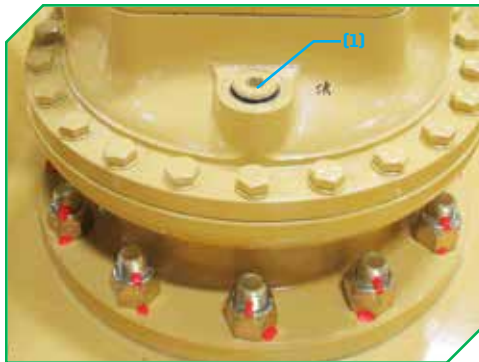
DATE	ISSUE
02.20	D3 direct drive spindle must have the correct oil fill level to prevent lubrication starvation when inverted
DOC #	CONTACT / EMAIL
15-2045	Warranty & Service 888.960.0364 / warranty@diamondmowers.com

ACTION:

IMMEDIATE ACTION REQUIRED: Diamond Mowers, LLC is advising all customers to inspect their oil fill level in their D3 direct drive spindle and confirm there is 40oz of 75w90 synthetic gear oil in the housing, and if not, to add oil immediately to bring the oil volume up to this specification; in addition, Diamond is recommending a run-up procedure be performed on all spindles that have not seen at least (1) hour of continuous use.

DETAILS:

D3 direct drive spindles require 40oz of 75w90 synthetic gear oil for sufficient lubrication for when the spindle is being operated in a tilted, inverted, or pitched orientation other than completely level. Follow the instructions below for filling the spindle; if the spindle has not seen at least (1) hour of continuous use, perform the run-up procedure outlined below after completing the oil fill procedure:



Oil Fill Procedure:

- Remove the fill plug (1) on the top of the spindle.
- Fill the spindle with 40oz of 75w90 synthetic gear oil (if empty), or add 8oz to the existing level.
 - Spindles built prior to Jan 07, 2020 were originally shipped with 32oz of oil.
- Replace the fill plug (1) on the top of the spindle.

Run-up Procedure:

- Start the vehicle and set the throttle at idle speed.
- Start up the mower, and allow the spindle to spin at the carrier vehicle's idle speed for a full 10 minutes.
- Increase the carrier vehicle's throttle to ½ throttle, and allow the spindle to spin for a full 10 minutes.
- Increase the carrier vehicle's throttle to full throttle, and allow the spindle to spin for a full 20 minutes.
- Run-up is now complete and normal operations can be resumed.

