



Model: See Affected Units	Feb. 13, 2025
Serial #: N/A	
Product Bulletin # TDS-225 Rev 3	

LWCV Actuator Bearing Greasing

All top drives with a Canrig manufactured LWCV actuator.

Recommendation

Canrig would like to make the following recommendation for the greasing of the LWCV actuator bearings.

Table 1: LWCV Actuator Greasing Schedule

Frequency	Quantity
Daily	10 – 20 shots
Weekly	To excess

- For new assemblies and rebuilds, hand pack the bearings with grease.
- For units in the field:
 - Once a day, apply 10 – 20 shots of grease in upper and lower bearing.
 - Once a week, grease the bearings to excess to ensure the bearings are fully packed using the following procedure:
 1. Remove pins on one side of the middle guard panel and swing open to access the upper and lower grease fittings to view the outer surface of the labyrinth seals (see Figure 3 on page 2). Clean the surfaces so the areas around the labyrinth seals are free of dirt and grease.

NOTICE There are two grease zerks on one side of the LWCV actuator. The opposite side of the LWCV actuator will have two plugs. These plugs are located on the side closest to the BUW with the LWCV installed. See Figure 1 and Figure 2 on page 2.

2. Pump 5 – 10 shots of grease into grease zerks on both the upper and lower bearings. See Figure 1 on page 2. Use multi-purpose lithium complex grease, complying with N.L.G.I. classification No. 1 or No. 2. Rotate the bearings at least 5 – 10 revolutions to help distribute the grease throughout the bearing.



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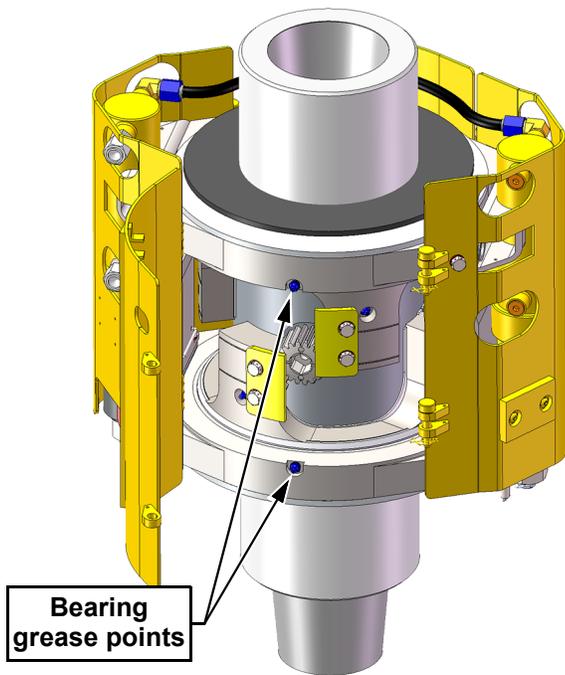


Figure 1: Upper and lower bearing grease zerks side

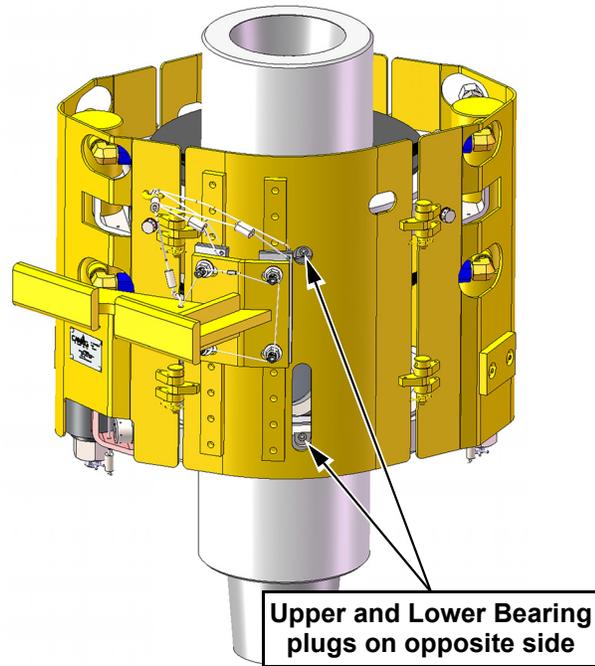


Figure 2: Upper and lower bearing plugs side

3. Repeat step 2 until new and clean grease is observed coming out of the labyrinth seals. See Figure 3.

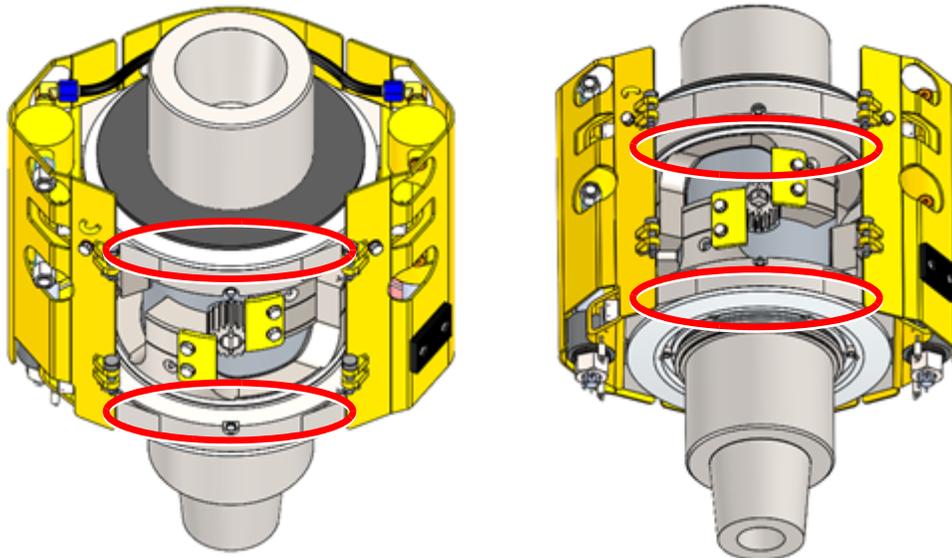


Figure 3: Labyrinth seal locations

4. Re-hinge guard panels with pins and add safety securement back to pins.