

Rotation Gearbox Maintenance

The rotation gearbox is often overlooked during routine attachment maintenance. While it's a very tough and simple component that requires little maintenance other than oil changes, proper lubrication is critical to ensure gearbox performance and long life.

Gearbox lubricant, which is oil, is completely contained within the gearbox housing but subject to wear between moving parts. The oil is not filtered, so regular change intervals are needed to minimize contamination and wear.

Genesis recommends changing gearbox lubricant after the initial 50 hours of attachment operation and checking lubricant every 250 hours of operation. See the [Genesis Safety & Operator's Manual](#) for your specific attachment for recommended lubricant grades and change-out schedules based upon climate.

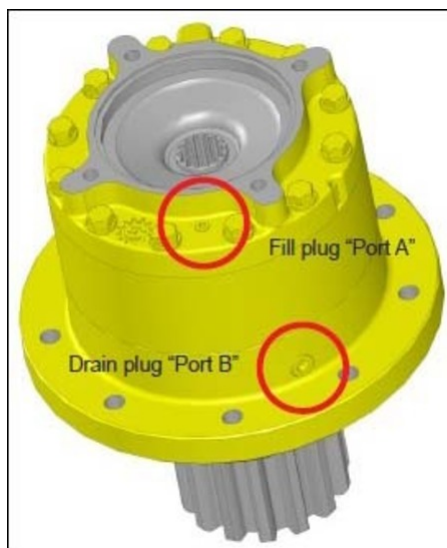
GXT shear gearbox lubricant can be easily changed by following the steps below.

Position the shear so the gearbox is horizontally level at a convenient working height.

Remove the rotator access cover and place an oil drain pan under the gearbox drain plug (Port B).

Remove the bottom drain plug (Port B) and top fill plug (Port A).

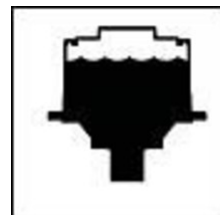
Once drained, replace the bottom drain plug (Port B).



Add lubricant through the fill plug to 1-1/2" from the top of the fill plug (Port A). Do not overfill. The gearbox oil level should be 1-1/4" to 1-1/2" below the fill plug with the gearbox positioned vertically.

Replace the fill and inspection plugs. Reinstall the access cover.

Properly dispose of the used lubricant.



Genesis part number 6300445 gearbox holds 32 oz. of lubricant; part number 6300446 and 6360027 gearboxes hold 68 oz.

If you have questions about gearbox maintenance or changing lubricant, contact Tim at 218-349-5755, talseth@genesisattachments.com or reference the [Safety and Operator's Manual](#) for your specific attachment.