

How to Change The Power Shuttle Fluid On A Case 580K Backhoe

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Taking a few minutes to perform maintenance on the backhoe can save you many hours of expensive repairs of the power shuttle on a Case 580K backhoe. Keep reading to learn how to do this maintenance task.

Difficulty: Moderate

Instructions

things you'll need:

- Hytran Hydraulic Fluid
- Drain Pan
- Tube Of Black Gasket Maker

- 1** The drain plug on the 580K backhoe shuttle's hydraulic oil pan is located on the side of the pan. Drain the oil into a drain pan. You should remove the bolts holding the oil pan and take the pan off for two reasons. First reason is the suction screen on the 580K backhoe should be checked and cleaned. If the suction screen is dirty it will limit the flow of hydraulic oil to and from the oil cooler and the torque converter.
- 2** The second reason for removing the oil pan on the 580K backhoe is to check for any sludge or foreign matter in the bottom of the pan. If you find any fiber particles in the oil pan this could be the forward or reverse clutches coming apart. Once you have the suction screen and the oil pan clean you can run a bead of black gasket maker around the top of the oil pan and reinstall the pan.
- 3** Tighten all the pan bolts and replace the drain plug. Refill the power shuttle with Hytran or equivalent hydraulic oil. The fill tube is located under the hood on the right side of the backhoe near the starter. Check the fluid with the shifter in neutral and the engine running on the 580K backhoe.

Tips & Warnings

- Make sure that the suction screen is seated properly in the power shuttle or it will suck air and probably won't move right in forward or reverse.
- You can order any backhoe parts online.
- Dispose of the used oil at a recycling center.