

Keep Transmission

An AOAP report just came back from the lab. It says the transmission fluid in your dozer is contaminated with metal shavings.

What gives? You always change the transmission's primary filter.

What gives is a clogged screen in the transmission system's magnetic strainer.

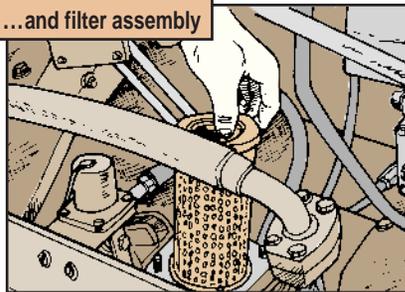
A clogged screen restricts oil flow in your D7G's transmission. The result is wear and tear in the engine and transmission, and a bad AOAP report.

Cleaning the screen and magnets is a 250-hour service in LO 5-2410-237-12 and TM 5-2410-237-20.

- Here's how:
1. Remove the cover and spring, then remove the filter assembly.



Remove cover...



...and filter assembly

METAL SHAVINGS!?

BUT I JUST CHANGED THE PRIMARY FILTER!

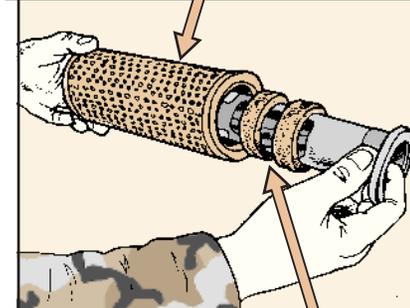
DID YOU CHECK MY MAGNETIC STRAINER?

AOAP

Filter Clean

2. If you're in the motor pool, steam clean the screen and magnets, and then dry them with pressurized air. In the field, wash the screen in P-D-680 dry cleaning solvent. Clean the magnets with a stiff bristle brush. Don't use a **wire** brush! That can scratch or demagnetize them. And, don't drop or tap the magnets. That can demagnetize or break them.

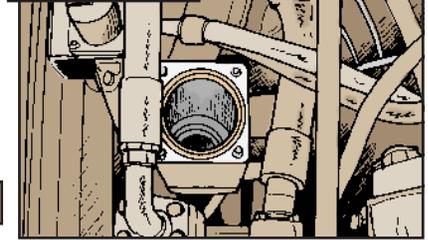
Wash screen in P-D-680 dry cleaning solvent



Use stiff bristle brush to remove shavings

3. Check the cover seal for cracks, tears or mashed edges. If you find any, replace the seal, NSN 5330-00-863-5549.

Replace worn seal



4. Install the magnets, screen, spring and cover, in that order. Torque the cover nuts to 31-34 lb-ft dry (no oil) or 23-25 lb-ft wet (threads lubed with oil).

5. With the engine running and the transmission in neutral, pull the dipstick to measure the oil level. Add oil to bring it to the FULL mark on the dipstick.

Bleed the Brakes

Operators, you've got to bleed your 130G graders' air brakes each day after use.

If you forget, moisture in the air lines leads to corrosion. Corrosion plugs up brake valves and cylinders and leads to brake failure.

So drain the water from each air tank at the end of the day. Just open each tank's valve until no more water comes out. Close the valve tightly when you're done.

Open each valve to let water out

