

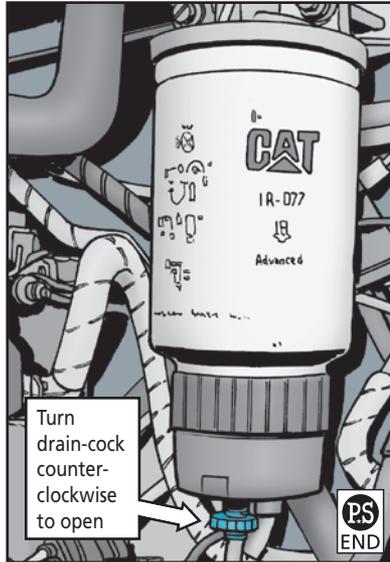
Drain Out Water

As the temperature goes up and down, condensation forms in the grader's fuel tank. The fuel/water separator is designed to get rid of that excess water.

If you don't drain the separator before the day's run, water and other crud are left behind in the fuel system. Then the engine runs rough, or not at all.

Open the access door behind the cab on the left-hand side of the vehicle. Turn the separator's drain-cock counterclockwise and use a clear container to catch the water/fuel mixture. Once the fuel runs clear, close the valve and go to work. If it stays cloudy, close the valve and have your mechanic check things out.

Clean up any mess and dispose of rags properly. Then dispose of drained fuel in an approved hazardous waste container. Never dump it down a drain or on the ground.



120M Road Grader...

GET DOWN AND DIRTY ON OIL CHECKS



IN COLD WEATHER, YOU MAY NEED TO CHANGE OIL MORE OFTEN THAN TM 5-3805-293-10 SAYS.

SLUDGE FROM CONDENSATION AND DILUTION WITH FUEL ARE THE MAIN REASONS.



Look for sludge every time you check the oil level. It'll appear as small clumps on the dipstick.

Water contamination, on the other hand, is hard to find until it has really gotten bad. If you suspect contamination, draw an oil sample and let it stand in a glass jar. Water will separate from the oil. Let your mechanic know. He'll need to change the oil and filters.

Need An Accurate Reading?

You'll get the most accurate oil-level reading while the engine is cold, like it says in WP 0013-5 of TM 5-3805-293-10.

Remove the dipstick and wipe it with a clean rag, then reinsert it. Remove the dipstick again to eyeball the oil level. It should fall in the cross-hatched area of the dipstick.

Oil level should fall in cross-hatched area of dipstick



It's a good idea to check the oil level during long operations. After shutting down the engine, wait 10 minutes to let the oil drain back into the oil pan. Then recheck. It's not as accurate as a cold check, but it'll let you know if there are any problems.

The grader's engine oil is also monitored in the service menu on the messenger display inside the vehicle's cab. Low pressure indicates the oil level is low.

Never overfill just to skip an oil check. That just causes other problems, like blowby.

Check oil pressure on messenger display's service menu

