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# OIL CHECK REMINDER

THE CRANKCASE DIPSTICK CAN HELP YOU CATCH PROBLEMS BEFORE THEY DAMAGE THE HYDRAULIC EXCAVATOR'S ENGINE.



In cold weather, oil may need more changing than the -10 °F says. Sludge from condensation and dilution from fuel are the culprits.

So every time you check the oil level, look and feel to detect sludge—it'll look like clumps on the dipstick. Water contamination is hard to find until it's really bad. If you suspect it, draw a sample and let it stand in a glass jar. Water will separate from the oil. When you find water, have your mechanic change the oil and oil filters.

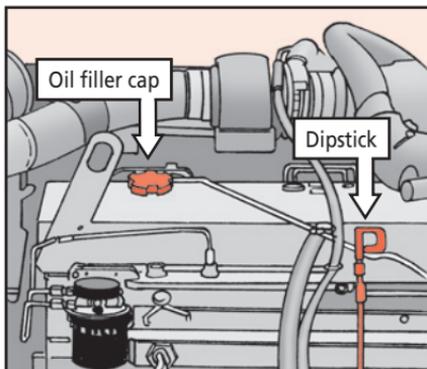
## Need An Accurate Reading?

You'll get the most accurate oil-level reading when the engine is cold, before the day's run. Remove the dipstick and wipe it with a clean rag before reinserting it. Then remove the dipstick again to eyeball the oil level. It should read above the ADD mark on the cross-hatch area of the dipstick.

It's a good idea to check the oil level during long operations. After shutting down the engine, wait 10 minutes before rechecking the oil level. That way oil can drain back into the engine's oil pan.

Keep an eye on the excavator's oil pressure gauge on the dash. Low pressure indicates low oil.

Never overfill just to skip an oil check. Overfilling causes other troubles, like blowby.



Oil level should read above ADD mark on cross-hatch area of dipstick

