

7 TRUCK OPERATION TIPS FOR GREATER RELIABILITY

Cat® Mining Trucks are built to take the rigorous demands of mine site applications and deliver long, reliable service life. You can increase reliability by following some basic, common-sense operating practices.

Here are seven things your operators can do (or not do) to ensure that your truck fleet is available and ready for action at the start of every shift.

1

10/10/20

FOLLOW THE CATERPILLAR 10/10/20 POLICY

No loads should exceed 120% of rated capacity. Dump loads over 120% at the nearest safe location.

2

LIMIT BODY UP TRAVEL

Make sure the dump bed is fully lowered before putting the truck in motion. Operation with the body raised will reduce frame life. Do NOT spread material.

3

AVOID BERM CONTACT IN REVERSE

Back up to the target load point and stop. High bank or berm impacts can cause machine damage.

4

AVOID UNEVEN DUMPING & LOADING

Make sure that the rear axle is not racked when loading or dumping. Check to see that one set of rear dual tires hasn't driven up a berm.

5

MAKE SMART GEAR SELECTIONS

To maximize the life of engines, torque converters, transmissions and other drive train components, avoid running at high RPMs in the wrong gear or unnecessarily shifting gears manually. Don't shift at high idle speeds, and be sure to come to a complete stop when changing between forward and reverse.

6

TRAVEL AT APPROPRIATE SPEEDS

Running at speeds too high for haul road conditions can cause extreme frame racking. Reduce speeds during sharp turns, soft underfoot conditions, potholes, etc. Keep all six tires touching the ground at all times.

7

PERFORM DAILY MACHINE WALK-AROUNDS

Do not operate an impaired machine. Look for dry joints, leaks, and loose or missing components. Inspections are the easiest way to reduce service downtime.

GET THE FACTS

Want more tips to improve the reliability of your truck fleet?

[Get in touch with your Cat dealer](#) for world-class training and maintenance advice.

Always refer to the Cat Operations & Maintenance Manual supplied with your truck for recommended operation and maintenance practices.