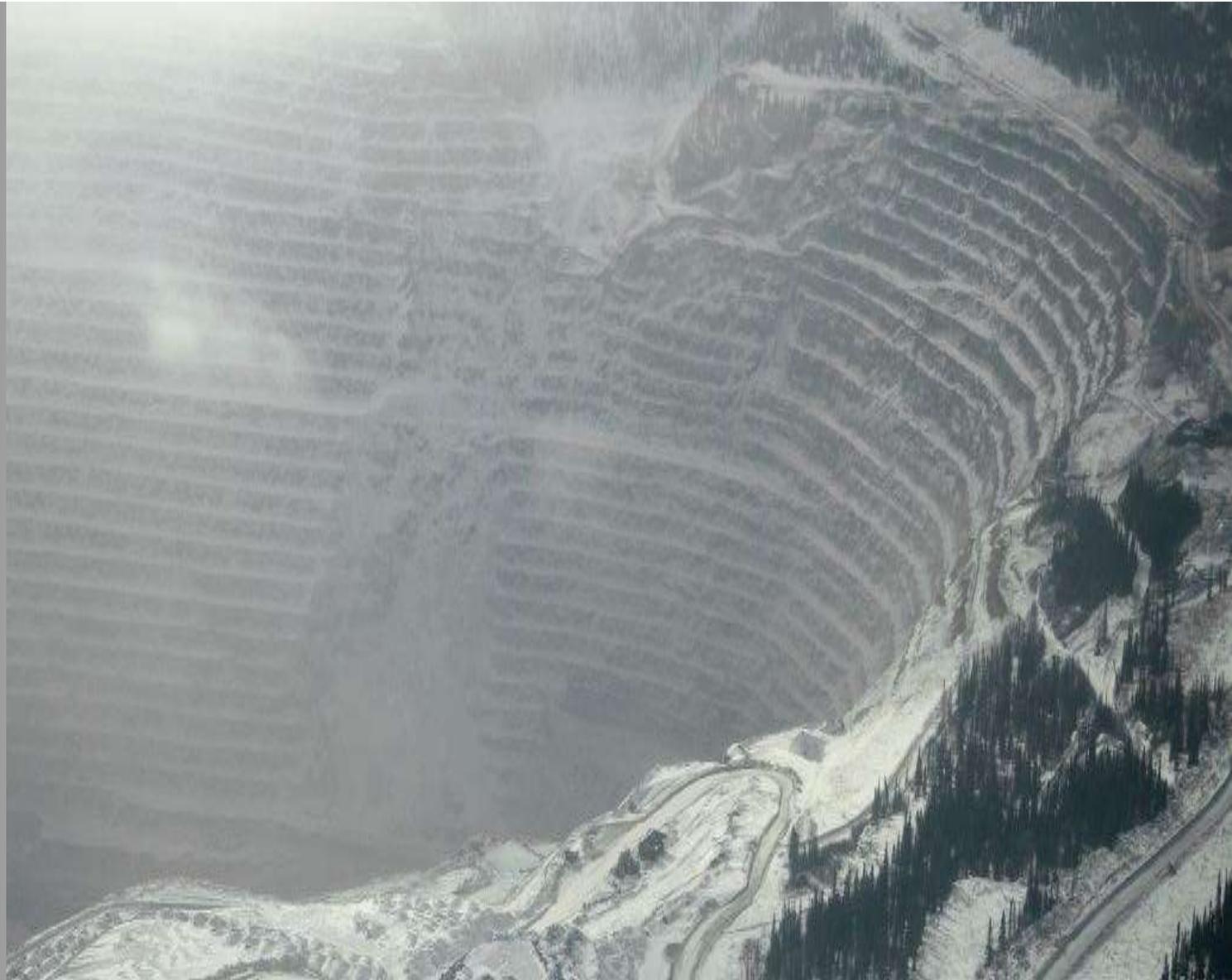


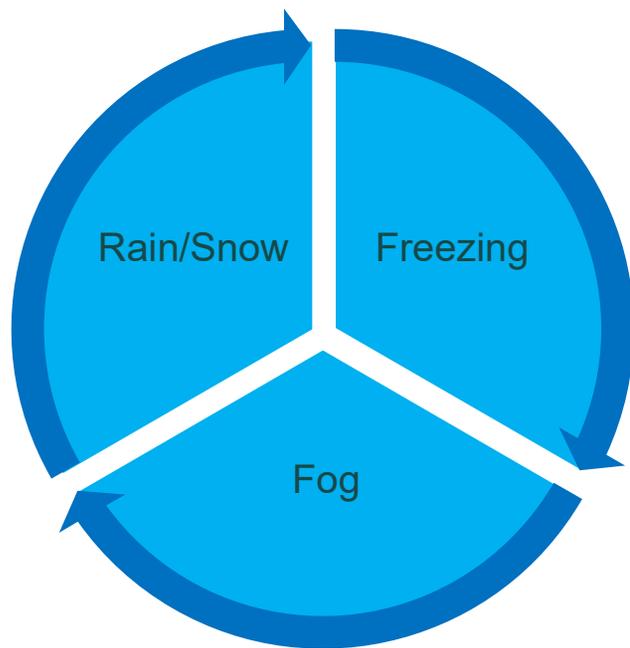
RioTinto

WINTER DRIVER TRAINING

NOVEMBER 2023



Between the months of October and May we experience the following conditions:



That's 8 months out of the year!



CARDINAL RULE OF HAUL TRUCK DRIVING

Drive according to road conditions.

- Reduced speed (wet or dry)
- Increase spacing
- Avoiding or slowing down for potholes
- Avoiding standing water
- Increasing your awareness

WINTER DRIVING TIPS

Keeping tire traction is vital!

The Komatsu 930E Truck has a traction control system. This may give the operator a false sense of security because the roads may be more slippery than the operator may realize.

Traction control systems are reactive so if they are functioning then the operator may already be at a certain risk of losing control.

If someone isn't staying alert to the driving condition they could find themselves in a very stressful, dangerous situation.

Ensure you travel at slower speeds before descending a grade in these conditions and get a feel for the roads before traveling faster.

WINTER DRIVING TIPS

What should I do if my wheels are spinning and I start to slide?

Avoid sudden movements like:

- Hard acceleration – use light acceleration if necessary to maintain grip
- Hard braking – use light braking/dynamic to slow down
- Hard steering – use moderate steering

Depress the throttle pedal to override the RSC braking. When the pedal is released the RSC braking will resume.

Use moderate steering as to avoid:

- Oversteering - When the truck tries to spin around due to a lack of traction at the rear.
- Understeering - When you turn the steering wheel but find that the truck has a tendency to continue going straight.

WINTER DRIVING TIPS

What is considered winter driving conditions?

- Snow Packed Roads
- Slick Roads from Mud
- Fog



WINTER DRIVING TIPS

Snow Packed Roads

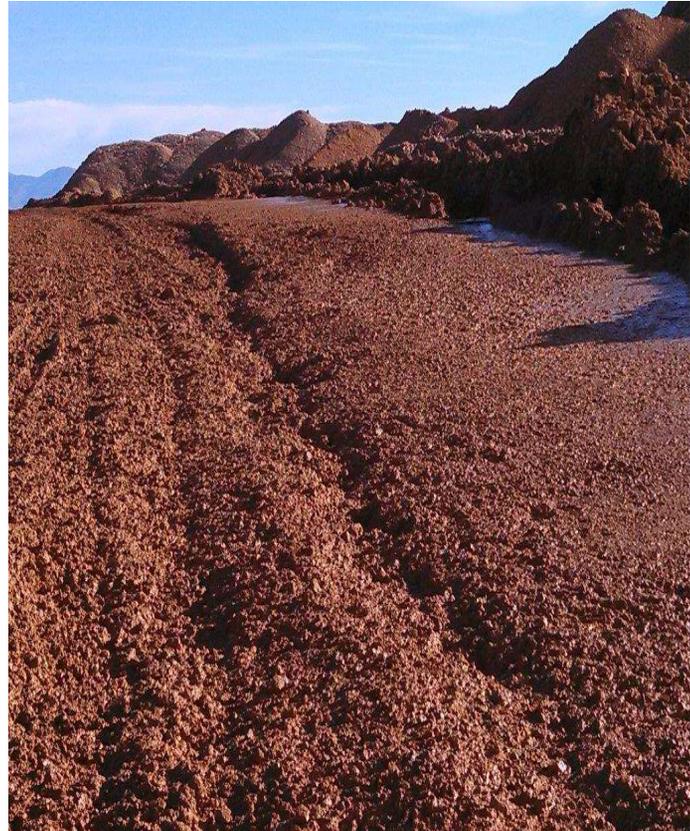
- Double following distance
- Have headlights on
- Stagger tire tracks
- Run loaded trucks



WINTER DRIVING TIPS

Slick Roads for Mud

- Increase following distance
- Slow down
- Call for graders
- Avoid crossing mud windrows



DRIVING TECHNIQUES FOR KOMATSU'S

Sliding

- Adjust auto retarder dial to help with the traction control
- Adjust speed before descending a grade
- Turn front wheels in direction of slide and don't overcorrect
- When wheels lock up while using dynamics, release dynamics by briefly tapping throttle to straighten truck out
- If slide is uncontrollable, use service brakes to stop truck fully
- Don't panic

WINTER DRIVING TIPS

Fog

- Turn on headlights and fog lights.
- Turn on reverse lights when stopped.
- Slow down and drive to road conditions.
- Proceed at a slow rate of speed if you can see 100 feet in front of you.



DRIVING TECHNIQUES FOR KOMATSU'S

Ascending Hills

- Requires the right balance of traction and momentum
- Build speed at the base of the hill
- Resist the urge to accelerate midway up the hill
- If you lose traction:
 - Stop and secure the truck
 - Shut the road down

DRIVING TECHNIQUES FOR KOMATSU'S

Descending Hills

- Activate RSC dial and adjust speed before cresting
- Keep your feet off the throttle
- Slow down if needed
- If you start to slide release dynamics by briefly tapping throttle
- If slide is uncontrollable or you go through your dynamic envelope, use service brakes to stop truck fully.

DRIVING TECHNIQUES FOR KOMATSU'S

Cornering

- Look ahead
- Slow when approaching the intersection
- Cover the brake pedal
- If you understeer, turn out of it to regain your traction.

WINTER DRIVING TIPS

Use of Berm

- If you are unable to get the truck under control and only as a last resort, steer the truck into a solid berm that is NOT on the pit side of the road.



WINTER DRIVING TIPS



Procedures for Closing the Roads

WINTER DRIVING TIPS

Procedures for Closing the Roads for Fog

- If the fog becomes too thick to drive safely, pull the truck into the clear (if possible) or stop where you are.
- Turn on your reverse lights until another truck is behind you.
- Notify Production Control and your fellow drivers by announcing over the radio of foggy conditions and the location of your truck.
- Stay alert for changing conditions and alert Production Control and other personnel when it is safe to continue driving.

WINTER DRIVING TIPS

Procedures for Closing the Roads for Slick Roads

- Roads may be closed due to unsafe conditions such as sliding.
- Use good judgment and close the road if necessary by contacting Production Control and announcing over the Mine Operations/Upper Pit Operations Channel that the road is unsafe and what the condition is.
- The road may be opened again once the unsafe condition has been corrected.
- In the event that the closure is due to icy roads, the road may be reopened by a supervisor or the graders working the road, not by a haul truck driver.

WINTER DRIVING TIPS

- What conditions do you see?
- What is the driver doing wrong?
- Should he shut the road down?



WINTER DRIVING TIPS

General Guidelines to Remember

- Drive to road conditions.
- Increase following distance
- Slow down before steering at intersections, curves and corners
- Know the areas of the mine that are historically more challenging than others.
- Once you have done everything within your ability to control your truck with no success it is your responsibility to shut that section of the road down.

Questions?

