

Scraper (5yard / 9yard)

Purpose

To ensure the safe responsible operation of Scraper to avoid accidents or injury to people and to prevent damage to property.

Safety Equipment Required:

- Gloves, as need for hooking and unhooking
- Ear protection, if needed

Operating Safely:

- Never operate on steep slopes
- Before starting any ground excavation, call **Alberta 1 Call** (1 800 242 3447)

Sequence of Operation:

To fill Bucket:

- 1) Open the front gate
- 2) Lower the bucket to desired digging depth and move forward
- 3) When full, raise the bucket and close front gate to prevent spillage.
- 4) Transport to dumping area.

To Empty Bucket:

- 1) Lower the bucket to give required spread depth. Open the front gate.
- 2) When the front gate is fully open, the rear push gate will operate and eject the load as tractor reverses.
- 3) Spread depth is controlled by the height of the bucket and tractor speed.

Operating Tips:

- NEVER operate on steep slopes
- plan work to load scraper down hill
- Eliminate excess turns
- Load scraper in direction of where load is to be dumped
- Do not cut too deep
- Maintain a down slope cut – do not cut horizontal layers
- On side hill cuts, ensure the inside of the cut is lower than the outside
- Maintain a smooth hauling road
- Don't raise bowl any higher than necessary – increasing bowl height reduces scraper stability
- To construct a fill, keep shoulders high and center low – this provides drainage toward the center and prevent scraper from sliding over the side of the fill

Transport Safety

Pin-type hitch, to be towed by 1 ton truck or tractor. Hydraulic operated (two outlets)

- 1) NEVER exceed 40 km/h when transporting Scraper on roadways.
- 2) Ensure the "slow moving vehicle" emblem is attached and clearly visible.
- 3) Retract all cylinders before transporting.
- 4) Attach safety chains to tow vehicle, in cross over pattern before transport.

When towing, drive in a safe and responsible manner, traveling at a reasonable speed. When turning, allow for the added unit length, and do not corner sharply.