

GRINDER OPERATIONS – High Speed and Slow Speed Machines

The following guide to safe work techniques won't tell you all you need to know about operating a Grinder but they will point out some of the common hazards and how to avoid them.

Only experience will teach you some things, but following these guidelines and talking to and listening to experienced operators will help you work safely.

NOTHING BEATS EXPERIENCE

Pre Start Checks

Pre start checks should concentrate on ensuring that the machine is ready to work safely and reliably.

Checks should include:

- Engine coolant
- Engine Oil
- Hydraulic Oil
- Fuel level

While the engine is warming up carry out a visual inspection around the machine for any oil leaks, wear and tear etc.

Start Up Procedure:

Prepare to start

- 1) Ensure the grind switch and discharge conveyor switch is off
- 2) Pull out all emergency stop buttons (2)
- 3) Switch on battery isolation switch
- 4) Move disable switch to run

Starting engine

- 5) Turn ignition to run position
- 6) Turn key to start position

Don't crank the engine for too long, if it doesn't start promptly you can do serious damage to the starter motor and over heat the wiring, if it won't start check for a problem.

After Start Checks:

Once you have started your machine check that the oil pressure is OK, if not shut it down and find out why or serious damage can be done to the engine. After the Grinder has warmed up enough to start operating, check the following:

- Work area is clear of personnel
- Display functions are working OK.

Shut down procedure:

- 1) Turn off auto feed
- 2) Set engine idle switch to idle
- 3) Shut off remote
- 4) Disengage hammermill
- 5) Wait for hammermill to stop rotating
- 6) Shut off discharge conveyor (will not stop until hammermill completely stopped)
- 7) Shut off engine and remove key
- 8) **Always run the engine at idle for a few minutes prior to stopping**

Safe Operating Tips:

Both the high speed and low speed grinder manuals designate an exclusion zone around the machine while operating. Ensure these are maintained at all times.

Don't operate this machine unless you are experienced or are under the supervision of an experienced operator.

Read and understand your machine's operator's manual and any warning labels on the machine.

Keep your machine clean, remove debris from walkways and ladders

Be alert while operating your machine.

Clean any mud or grease from your boots to prevent slipping.

Plan your work, and operate on a level work surface whenever possible.

Always be aware of other people, machinery working nearby.

Never allow anyone to walk near the machine while operating.

Check machine for fire hazard material at the end of each shift

Isolation – Switch isolation to off position, remove key, install lock and tag as per SWP

Never work close to overhead or under ground power lines unless a full risk assessment has been completed and you are satisfied that it is safe to do so. Aurora energy provides specific advice on working near lines. If unsure always check before commencing work.

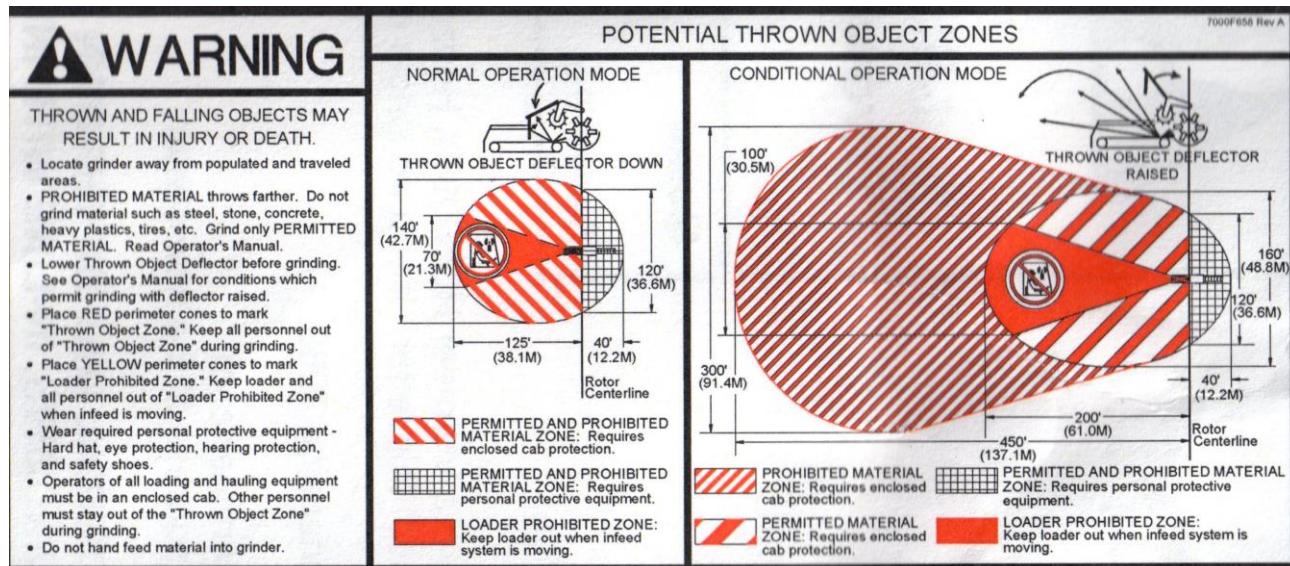
Machine must be greased as per manual instructions

Remember if you are unsure about something, ask for advice

Thrown object zone

The following restriction zones must be adhered to at all times

High Speed Grinder



Slow Speed Grinder

