

# Pellet Mill Fluids, Housekeeping, and Maintenance

## Fluids

Pellet Mill Gear Box: SAE 85W-140. Depending on pellet mill model you have:

- 1). Fill to the center of the sight glass,
- 2). Fill to the line on the dipstick, or
- 3). Remove the port plug and fill until oil comes out.

Bearings: High Temperature Grease. **NOTE: Do NOT over-grease bearings.**  
Some bearings are self contained and have no need for greasing.

Gasoline Engines: SAE 10W-30 for normal operation SAE 5W-30 for temperatures below freezing.

Diesel Engines: SAE 15W-40 Diesel Engine Oil (must be Diesel Engine Oil) or SAE 5W-40 Synthetic Diesel Engine Oil (must be Diesel Engine Oil).

Diesel Pellet Mill Hopper: Water is preferred. As soon as the red ball of the float in the hopper goes down near the mouth of the funnel, replenish water.

Diesel Pellet Mill Battery: We are unable to ship batteries with battery acid. You will need to purchase battery acid and fill to the well marked lines.

## Housekeeping

It is the duty of the operator to keep the work area and machines clean.

1. Brush down pellet mill once per day or more often if conditions warrant.
2. Keep area around pellet mills clean. Sweep and dispose of waste.
3. Scraper doors and front of gearbox once per day.
4. Clean feed chutes as often as necessary.
5. Conditioner cleaned once per week.
6. Feeder cleaned once per week.
7. Check cleanliness of coolers once per shift.
8. Operator to lubricate pellet mill per manufacturer's recommendations.
9. Check shear pins to make sure they are installed correctly.
10. Clean magnetic separators at least once per day.
11. Check grease pump.
12. Note any machine problems.
13. Check knives for sharpness.
14. Check roller adjustment and adjust when necessary.
15. Exercise good die change practices.

# Maintenance

Proper use and maintenance for pellet mills will reduce hidden dangers of having faults, lengthen the service life, decrease maintaining expenses, and increase benefits for enterprises.

How to Use and Maintain your Pellet Mill Properly?

1. Add oil to the transmission parts at regular time. All the transmission parts should be lubricated to ensure a long life of the product. Do NOT over grease!
2. Change the lubricating oil of gearbox regularly to lengthen the product life.
3. Monthly inspection of the pellet machine is also required, which includes rollers, die, gears, and bearings. If you find something wrong with those parts you should replace them immediately. You should also check if some connected parts are loose.
4. Prohibit overload production. Overloading can cause great damage to both the reduction gear and motor, so it must be avoided. If it happens, you should repair or change the broken parts immediately.
5. After utilizing the pellet mill, you should take out the roller and wash it very carefully, then put it back after cleaning and get ready for the next use. If the pellet mill is not regularly used, you should make sure it is well-preserved: clean the pellet mill, coat the surface with antirust oil, and then cover it with a tarp. The pellet mill should be placed in a clean and dry atmosphere.
6. Please carefully read the operation instructions before starting the pellet mill and follow the information provided. If a malfunction occurs, you should immediately shut down for inspection and maintenance.

With proper use and reasonable maintenance, your pellet mill can bring about significant economic benefits and have a longer service life. We sincerely hope that this information is helpful for the maintenance of your pellet mill.