

## **Before Starting Engine:**

- Read and understand the instructions supplied by the engine manufacturer.
- Familiarize yourself with all engine and saw controls. (Figures 2-4)
- Visually inspect the entire machine for damage or wear. Look for signs of oil or fuel leaks. Remove excess dirt or debris.

Check that all nuts, bolts and screws are tightened. Check for proper alignment of moving parts, possible binding of moving parts, breakage of parts, loose mounting brackets, and any other condition that might affect operation.

- Inspect diamond blade and arbor shaft. Check blades for cracks, loose segments, worn or out-of-round arbor holes.

Do not use warped, twisted, out-of-balance blades or any blade of questionable condition. (Figure 8)

- Check engine oil. Make sure that it is at the proper level and that it is clean.

**Note:** Some engines have an Oil Alert System that will automatically stop the engine before the oil level falls below the

safe limit. To avoid an unexpected shut down, check the oil level regularly during operation.

- Check the fuel level. Do not over fill fuel tank and never refuel a hot engine. If refueling is necessary during operation, allow engine to cool down first.

- Inspect the air filter to be sure it is clean.

- If wet cutting, attach water source to the machine's supply hose. (Figure 5) Open the drain plug underneath the water

tray and make sure the water has somewhere to go that is clear of the working area. One option is to hook up a second hose. (Figure 6)

- If wet cutting with the optional water pump which recycles the water from the tray, plug the drain hole and be sure the water is circulating from the tray to the water pump.

- If dry cutting, attach a vacuum to the end of the dust channel. (Figure 7)

**Note:** While the HSS-14 was designed to be used with a standard shop vac, EDCO recommends using a heavy duty

vacuum such as the VAC-100. The VAC-100 has the advantage of a Self-Purging System to help keep concrete dust

from building up on the filter and a larger filter area to maintain performance during use, thus reducing time wasted on

frequently cleaning a standard shop vac and filter media.

## **Starting the Engine:**

- Be sure blade is clear of item to be cut.
- Determine that the recoil starter assembly turns freely, starter rope pulls easily, and the rope retracts properly.
- Follow the instructions supplied in the engine manufacturer's *Owner's Manual* for starting engine.
- Open the throttle and allow engine to reach operating temperature. Do not use the throttle as a means to match the arbor shaft speed to the specified blade speed requirements.

**Note:** To ensure the necessary power is transferred to the blade, all cutting must be done at *full throttle*. The governor

is factory set for correct speed - altering this setting will damage the machine. Maintain the engine according to factory specifications.

## **Cutting:**

- Place the work piece on rolling table against the backstop and use the rolling table to move the work piece to the

blade. Do not strain the engine while cutting or jam work piece into the blade. Do not twist the work piece while cutting.

- Do not reach underneath or around work piece while the blade is rotating.
- Keep stable footing at all times while cutting.

Keep hair, clothing, fingers and all body parts away from the blade and any other moving parts.

- For wet cutting, maintain an adequate supply of water to cool the blade.

**Note:** If using the optional water pump, clean water must be run through the cycle daily to avoid build up in the pump.

- When you have finished cutting, return throttle to idle. Stop the engine by returning the engine mounted stop switch

to the OFF position. Do not leave the saw running unattended.

- Clean dust and debris from whole machine - including inside the dust channel.

**IMPORTANT REMINDER:** This machine is designed to use diamond blades to cut pavers, stone, tile, masonry products and brick. Do not use it to cut anything else.