Hard Drive Clock
What you will need!

- Old Hard Drive (Varies)
- Torx Wrench
- Power Drill & Drill Bits
- Pliers (any kind will do)
- Straight Edge or Box Cutter
- ¾ Clock Movement
- Vise
- Screw Driver (any will work)

Tip: Hold onto everything you remove!
Step One:

- Start by extracting the external screws; be careful some have hidden screws under the label.
Step Two:

- Take off the cover; you may need the straight edge or razor blade to cut along the seal under the cover to remove it, but it also may just lift off.
Step Three:

- Remove the magnet by taking out the screws; use pliers to grasp magnet and pull out.
- With this particular hard drive removing the piece that holds the arm in place was necessary to remove the magnet.
- Also remove anything like this!

Tip: remove both sides of the magnet! If not your clock arms will not spin!
Step Four:

- Remove the screws holding the disc in place; holding the edge of the disc may be necessary. Be careful about marks but know you can clean it once it is removed.
Step Five:

- Remove the disk, you will have to pull the arm out to the side to get the disk out.
- Once the disk is removed, detach the motor from the case.

Tip: On some hard drives the motor will not completely come out, don’t panic because it will still work...you just have one less step!
Step Six:

- Once the motor is removed, secure it in the vise, with the outside facing up.
- Take a screwdriver, and place it in the center circle of the motor.
- Hit screwdriver hard with the hammer.

Tip: it may come out with two hits, or it could take 200; but it does come out!
Step Six & a Half….

Once you have the motor apart here is where you need to get crafty! You will need to find something to secure the disc back into the case, all while allowing the clock movement to still be able to go through the center of it.

Some Ideas….

Washers

Flattened Bottle Caps, with a hole punched in the center.

Rubber Gasket, Most clock movements come with one.

Or anything that is round and has a big enough hole in it, or something you can make a hole in!
Step Seven:

- Screw the back of the motor back into the case of the hard drive.
- Then assemble the clock movement as instructed, but assemble it through the holes you made in the motor by taking it apart. (if you go in order from back to front it will be...clock movement, motor (attached to case), disc, crafty piece of your choice and then the rest of your clock hands and pieces.
Step Eight:

- Now it is time to mark out holes on the front case to drill through, so you can attach your clock to a base.
- Once holes are drilled you can attach the two pieces together using hard drive case mounting screws (or any that just so happen to fit).
Step Nine:

- Insert battery to your clock movement and set the time!
Step Ten:

Enjoy your new Up-cycled Hard Drive Clock!