



# TAYLOR LUBRICANTS RECYCLING PROGRAM

# STEP BY STEP

Our customer's fluid is picked up in a segregated truck, brought to the recycling center, and placed in a dedicated tank.

An oil sample is sent off to an independent lab for a "before" analysis. From this we will monitor Viscosity, Total Acid Number, Water Content, Additive Levels, Wear Metals, particle count, etc. Should the additive package come back with an "alert" for low level, we can bolster those numbers up by adding in virgin oil to replenish.

## **The oil moves through the recycling process in the following manner:**

- 1-A) 100 micron (only the dirtiest fluids)
- 1-B) 50 micron filter
- 2) Heat exchangers to raise temp to about 120 F.
- 3) Centrifuge - removes gross water, sludge, and contaminants 5 micron and larger.
- 4) 5 Micron filter
- 5) Heat exchangers again.
- 6) Vacuum dehydrator to remove emulsified water.
- 7) 3 Micron filter.
- 8) 1 Micron filter.

Several passes in any step may be required based on the condition of the oil.

Finally, we send out the "after" sample to an independent lab to check that everything is in balance and clean.

Our goal is to exceed your desired ISO Cleanliness request at a delivery time. Again, depending on the condition of the oil, this may require extra passes/time through the system. Hope this helps. Please contact me if I can provide you with more information.

