




Oil Recycling at CyberLock

Oil is a critical resource with a wide variety of uses, from fueling vehicles and heating systems, to producing electricity for nearly half of the nation's power needs. CyberLock values sustainability as a societal goal and is taking steps to prevent wasteful practices by recycling and reusing oil from our in-house oil filtration system. Since all CyberLock products are manufactured at our headquarters in Corvallis, Oregon, these sustainable practices help minimize the carbon footprint of CyberLock access control systems.



CyberLock uses oil to cool and lubricate the metal parts being cut for certain products, such as CyberKeys, CyberLocks, and vaults. CyberLock brass and metal parts covered in oil, called "wet chips," are discarded into a designated bucket to begin the oil filtration process. A PRAB machine, which handles and processes scrap metals, will grind up the wet chips and push them to the sides of the spinning centrifuge, while the oil covering the chips travels to the bottom of the machine. Then, the oil from the bottom of the PRAB will be transferred over to the oil filtration machine. Once in the second machine, the oil will continuously circulate until it is in its cleanest form and ready to be used again. Recycled 5-gallon buckets are used to store the clean oil until it is reused to cool and lubricate metal parts once more. The filtered oil was tested for impurities and the results showed it to be cleaner than newly purchased oil.



CyberLock's oil recycling process ensures that toxic, dirty oil will not end up in oceans, rivers, or groundwater and promotes the sustainable reuse of resources.