



Fuel
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With nearly eight decades in the refined petroleum business and three decades in renewable fuels, CHS has earned its reputation as a safe, dependable supplier of high-quality energy products – those that keep tractors and fleets running smoothly, fuel cars and buses, and warm homes all across the country. CHS ranks as North America's largest cooperative refiner and a significant wholesaler and reseller of refined fuels.

Fuel



What are the best sources for Fuel storage recommendations, including shelf life, degradation, biological activity. There are plenty stories but where are real answers?

Posted by Joe from Ellisville, MS on Mon, 2012-03-05 14:47



Tank location and storage temperatures impact a fuel's storage life. As diesel fuel is stored, it slowly reacts with oxygen in the air to form gums and varnishes. This reaction over time will form enough sludge to cause equipment filter plugging and unscheduled down time. In addition as temperatures increase, the rate of sludge formation also increases. Other sources of contamination can come from water, dust and microbes, which enter into the storage tank through faulty or improperly designed vent pipes and will cause fuel degradation to accelerate. Generally, fuel can be safely stored for about six months. If long-term storage (over 6 months) is required, the fuel should be treated with both a fuel stabilizer, and a biocide. Treating a diesel fuel with these 2 products will help prevent the buildup of sludge formed from oxidation and microbes (bugs). No fuel storage program can be successful without good housekeeping. Good housekeeping practices are important in preventing the buildup of contaminants, and if done proactively will help ensure an optimum storage environment for fuels and a maximum fuel storage life. In addition it is helpful in preventing oxidation, if the tank has proper ventilation, is underground or inside to reduce temperature extremes. After fuel has been stored for one year or longer, fuel testing is recommended.

Source: <http://fleetowner.com/question/fuel-storage-and-degradation>