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This situation, however, has also created positive practices which have reduced consumption and expenses. People are now more conscious of saving energy. Equipment maintenance has also become popular. Nowadays, the standard by which people value things is determined by the length of its use or service.

One of the most economically viable practices is the use of oil analysis. Constant oil changes are already a thing of the past. Nowadays, you can be sure that the oil being used in most equipment does not need regular changingâ€”not because of how it looks, but by its very composition. In the past, the practice was based mostly on subjective analysis, which often produced inaccurate results. Today, technical analysis is possible and is widely used. This has proven to be more efficient and reliable.

Actually, oil analysis started long before the present economic crisis. It was first used by railway companies in the United States in the early 1940s. Technicians of these companies conducted physical tests to monitor locomotive engines by using simple spectrographic equipment. In the 1950s, the American Navy used the process to monitor jet engines in their aircrafts. The practice spread to other branches of the U. S. Armed Forces like the Army and the Air Force. In the 1960s, commercial oil analysis laboratories appeared to provide the service.

Oil analysis is a very effective preventive maintenance practice. It makes possible the identification of potential problems before major repairs or replacements become necessary. It reduces the frequency of oil changes and increases the resale value of used equipment. Devices used as oil analyzers determine the history or condition of any mechanical apparatus. They can identify and measure any impurities and contaminants present, and also determine sources of wear. These devices can even check for the use of the proper lubricants.

These devices are particularly valuable to vehicle owners for car oil analysis. It reduces their repair and maintenance expenses while increasing the car engineâ€™s life. Oil analysis can also provide early detection of any problem on the engine which may need corrective measures. With this advantage, the car owner can anticipate problems and schedule repair works to avoid major inconveniences while driving.

The analysis oil specialists conduct on any equipment may require oil analyzers. These specialists can determine if you are changing the oil on these machines more often than necessary or not often enough. The process can also help limit environmental pollution as it lessens the disposal of waste oil products. Oil analysis is not only economical, but can also be considered a green process.

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