



Introducing the newest addition to our API Approved **ProGuard®** product line, **ProGuard® ECO** – an advanced re-refined motor oil made from high quality segregated used motor oil feedstock that is re-refined right here in America’s Heartland.

Quality

- Lyden Oil **ProGuard® ECO** is made from a very high quality, re-refined Group II+ base stock, and a state of the art additive package.
- **ProGuard® ECO** Passenger car motor oils are synthetic blends and are API (American Petroleum Institute) approved and licensed, indicating that they meet or exceed API SM and ILSAC GF-4 standards.
- Re-refined oil must undergo the same comprehensive testing, and meet the same quality standards as virgin lubricants in order to receive certification by the API.
- The oil produced by the Heartland refinery in Columbus, OH, and used in Lyden **ProGuard® ECO** is a Group II+ base oil. During the hydrotreating process, all remaining contaminants are forced out, and the hydrocarbon molecule is made 2 times as strong and is lengthened. The result is a base oil that is clear in color and much more resistant to oxidative breakdown and shear.
- Vehicle and engine manufacturers including Ford, Chrysler, General Motors, Mercedes Benz, and Detroit Diesel have issued warranty statements that allow the use of rerefined oil as long

Environmental Benefits

- Re-refining consumes 85% less energy than the traditional refining process.
- Re-refining reduces the carbon footprint by 80% over the more common way of disposing of used oil-the inefficient burning as a ship’s bunker fuel, in cement kilns, asphalt plants, and shop heaters.
- Reduces heavy metal emissions by 99.5% over burning.
- Older refineries are very energy inefficient and produce up to 30 times the greenhouse gas (GHG) emissions of the most modern rerefinery. (8.67 lbs CO2 per gallon vs. .3)
- Almost 100% of a gallon can be recovered into usable products. About 76% become lube stocks; the rest are light end fuels that are sold, asphalt flux that is sold as an asphalt extender and for shingles, and water, which is pre-treated and then sent to municipal water treatment facilities.

Additional Benefits

- Reduces dependence on foreign oil. It takes 42 gallons of crude to produce what we can from just one gallon of used oil.
- True closed loop process. Oil can be rerefined/recycled countless times without compromising the quality of the oil because oil does not wear out. It does not lose its lubricity. It just gets dirty and the additives get used up. Your grandchildren could use the same oil that you are using today.
- Made in the newest refinery in the nation, built right here in the Midwest. As more are constructed, this will provide more local employment.

“Saving the environment one oil change at a time”