

HOW IS USED OIL RE-REFINED?

On Average, used oils contain around 75% - 85% non-deteriorated base oils that can be recovered. The re-refining of used oils involves repeating some or all of the basic refinery processes to return the base oil to a usable state.

1 Analytic Testing

The oil first undergoes analytics testing to ensure it is free from hazardous chemicals or contaminants.



3 Distillation

Best practice for processing motor oil usually involves vacuum distillation to separate the oils by boiling point. Lightweight chemicals are extracted for reuse. Heavier fuels, such as asphalt, are stripped for industrial use.

2 Dehydration

Often dehydration is used to remove any remaining water, which is then treated and discharged.



4 Hydrotreating

The remaining oil may go through a high-pressure catalytic hydrotreatment to remove any last impurities for a stable, refinery-grade end product.



5 Blending

Additive packages can be added to create blended lubricated oils. Finished lubricant oils contain roughly 90% base oils and 10% additives.

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6 Final Testing

Each product is tested again for quality and purity before it's ready for sale.

