

The re-refining process



(Left) unloading waste lube oil at Wagga Wagga; (right) used lube oil comes in and is re-refined into base oil

Southern Oil applies its Intellectual Property – which is regarded as leading technology in Australia and overseas – to re-refine waste lube oil for reuse as lube oil.

What is re-refined lube oil?

Lube oils are a blend of base oil and additives. The basic functions of lube oils are to:

- reduce friction
- remove heat, and
- suspend contaminants

The re-refining process restores used lube oil to its original condition as a base oil. The lubricating properties of the oil are not compromised by use or re-refining.

Lubricating oil doesn't wear out – it just gets dirty and the additives in the oil lose effectiveness over time.

The re-refining process recovers 99% of the lube oil component of the waste oil, creating a near perpetual cycle of use and re-use of a diminishing and finite resource.

What is the re-refining process?

The Southern Oil re-refining process removes all contaminants and restores the oil to its original condition.

The contaminants, such as dirt, water, fuel, and used additives, are removed through vacuum distillation.

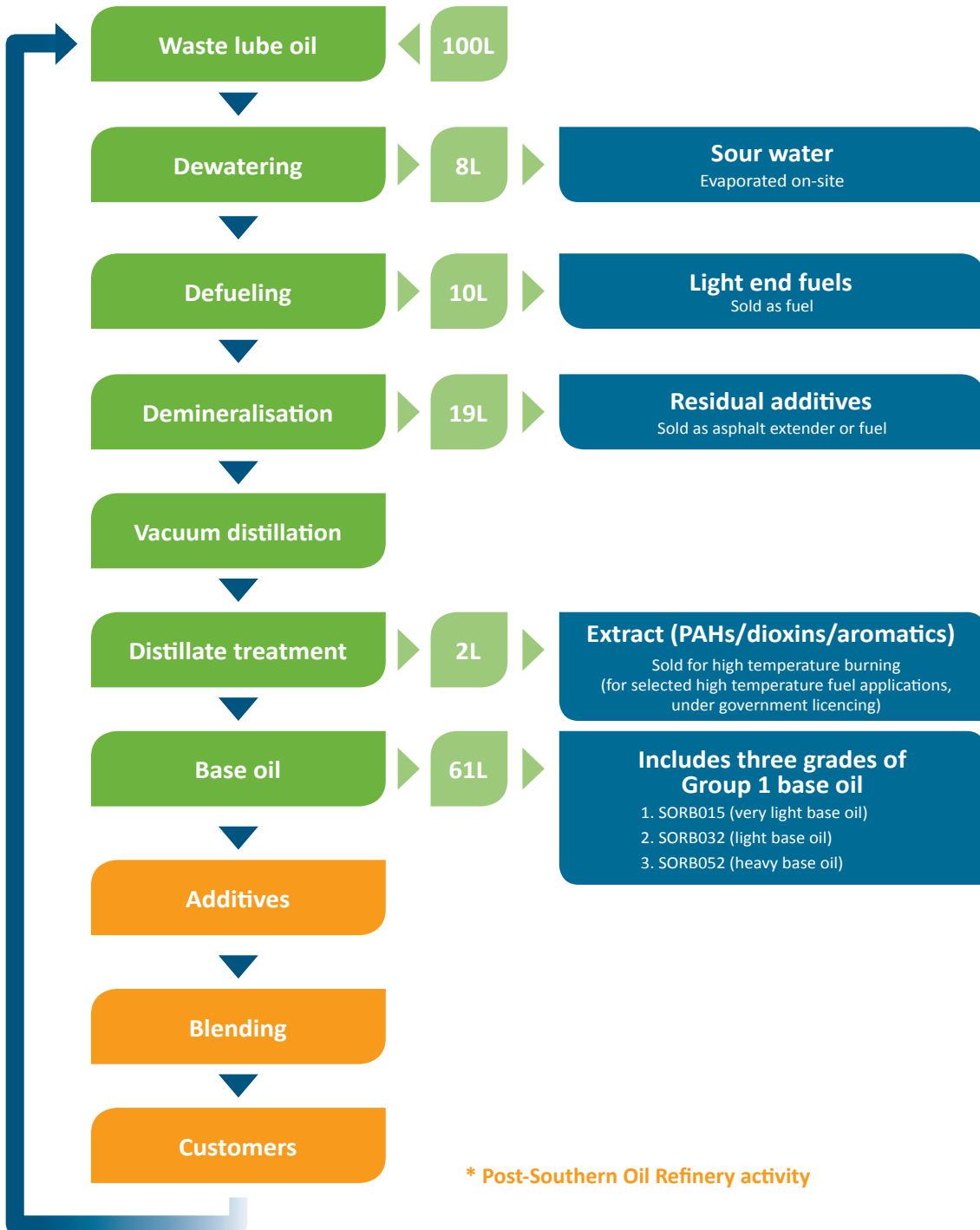
The oil is then further treated to remove any remaining chemicals and provide consistent oil quality to international standards.

Southern Oil's re-refining process produces no waste. Every component is reused and the lube oil component in the waste oil is recovered as high quality lube oil.

Once the oil has been re-refined through the Southern Oil process, the base oil is sold to third parties to blend with additives for engine, hydraulic, gear and transmission oils.

The Southern Oil re-refining process

For every 100L of waste lube oil received,
the Southern Oil re-refining process produces:



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