



Sustainable Solutions
geared to restoring
and extending tire
life now carry proven
carbon footprint
savings

To help mines realize their goals for productivity, tire performance and tire spend, Kal Tire offers solutions such as retreading, Ultra Tread™ and Ultra Repair™. These offerings give premium mining tires a second or even third life—allowing sites to benefit from the performance of new tires at a fraction of the cost.

“Our goal is for tires to be worn out, not thrown out. If tires last longer, operating costs and new tire purchases are reduced and that’s a great benefit to mines,” says Darren Flint, vice president, tyre lifetime services, Kal Tire’s Mining Tire Group.

“When a customer can send a 63-inch haul truck tire back into production with maximum performance instead of sending it to a scrap pile due to an injury that couldn’t be repaired using standard repair methods, that’s thousands of dollars saved per tire.”

At a time when both supply and sustainability are critical, Kal Tire’s solutions also bring a range of other benefits beyond cost savings.

When market conditions create low supply or shortages, retreading, Ultra Tread and Ultra Repair keep equipment moving and bring savings in logistics, handling and turnaround. They’re also environmentally friendly alternatives: By significantly extending tire life with retreading, Ultra Tread or Ultra Repair, customers save significant carbon and oil emissions. That’s because these processes use fewer raw materials and less production energy compared to manufacturing a new tire. By keeping tires in production, these solutions also divert scrap.

Now, Kal Tire's Maple Program gives customers a way to track and promote the oil and carbon emissions saved by choosing to retread or use Ultra Tread or Ultra Repair.

"As more and more operations grow their fleets this way, there's the potential for a significant collective impact, and that's something to be excited about," says Flint.



RETREADING

Kal Tire's retreading process mirrors new tire production, using the latest synthetic compounds and quality premium tire casings so mines benefit from the performance of new, application-specific tires at a fraction of the cost. Kal Tire's two retread products include smooth and groove, which can redevelop casings for any pattern and compound; and remoulds, which have the appearance and integrity of new tires.

Kal Tire has introduced robot technology at its new plant in Mexico which helps technicians deliver new, high-performing technical tread patterns. These patterns deliver optimal performance in a combination of high-pressure conditions, such as heat, wet, rocks, debris and overloading.

Average Premium Brand Life



Average Kal Tire Retread Life



Environmental Value

54% CO₂ REDUCTION **71%** OIL SAVED

Location: UK
Tire Size: 26.5R25
Mine Type: Aggregates Quarry
Truck Type: Wheel Loader

ULTRA TREAD

With Ultra Tread, mines can restore the tread when the casing is robust and have the process performed in line with rotations to maintain truck uptime.

In this process, the tire is removed after completing its planned hours on the front position of haul trucks. Instead of being rotated to the rear to run out the remainder of life, the Ultra Tread process is performed, restoring the tire to its original tread depth and returning to the front position.

Through careful management, this process can potentially be performed multiple times before rotation to the rear—significantly extending front position life for a much lower cost per hour than buying new tires.

Average Premium Tire Total Life



Premium Tire + Ultra Tread Tire Life:



Environmental Value

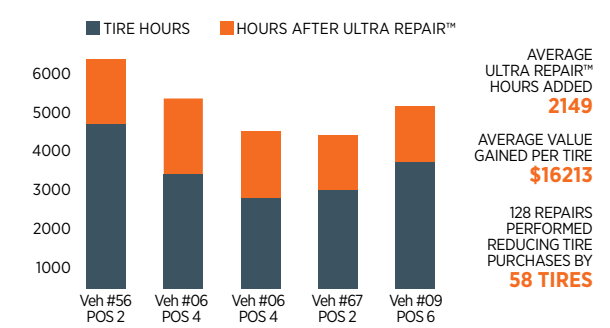
74% CO₂ REDUCTION **84%** OIL SAVED

Location: West Africa
Tire Size: 3300R51
Mine Type: Hard Rock Gold Mine
Truck Type: 150 Ton Haul Truck

ULTRA REPAIR

With Ultra Repair, mines can send tires back into production that would have prematurely been sent to the scrap pile because of an injury that was beyond the capability of traditional repair methods. Ultra Repair delivers thousands of hours of like-new performance and safety, even in extreme conditions.

Where conventional repairs are limited, Kal Tire's exclusive and award-winning technology is effective on large injuries and injuries to the tread, shoulder and sidewall near the bead. By restoring a tire's original strength and integrity—even on tires already in the scrap pile—customers can reduce their new tire spend while adding thousands of dollars of value per tire.



Environmental Value

94% CO₂ REDUCTION **99%** OIL SAVED

Location: Canada
Tire Size: 55/80R63
Mine Type: Oil Sands
Truck Type: 400 Ton Haul Truck