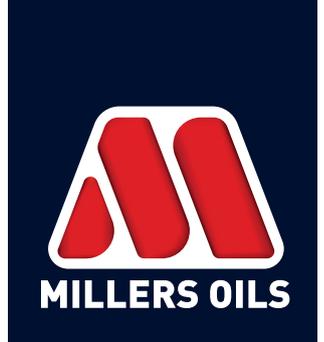


CASE STUDY: SIME RACING AND MILLERS OILS



Sime Racing's Success Story with Millers Oils

Company Overview

Sime Racing was established in 2000 by Jimmy and Barry Sime. With decades of experience between them, the father-son duo has competed in various cars and disciplines. Their journey spans from Jimmy's racing debut in the late '60s to Barry's rise through karting ranks in the '90s. Their 1964 Morris Mini Cooper S has been in the Sime family since 1966. However, it remained unused from 1971, except for a brief outing at a Hillclimb at Strathclyde Park in 1983. In 2013, the Sime Racing team started a full restoration of the Mini. Completed in early 2016, this endeavour marked Barry and Jimmy's return to competitive racing in the same beloved car.

The Challenge

Following years off the track, Sime Racing faced the task of restoring their 1964 Morris Mini Cooper S to FIA K specification and preparing it for the sustained demands of competitive historic racing. The goal wasn't simply to return the car to running condition, but to build a vehicle capable of delivering reliable, front-running performance season after season. A key technical challenge lay in the Mini's design: the engine and gearbox share a sump and therefore a common oil supply. This places extreme demands on lubrication, requiring an oil capable of protecting highly stressed engine components while also withstanding the shear forces generated by the gearbox. Inadequate lubrication risked accelerated wear, loss of performance, premature rebuilds, and potential race-ending failures. For Sime Racing, selecting the right oil was critical. They needed a specialist motorsport lubricant that could deliver consistent protection, maintain performance under race conditions, and preserve the longevity of both engine and gearbox.



The Solution

To meet these unique requirements, Sime Racing selected Motorsport CTV Mini 20W-50, a specialist competition oil developed specifically for classic Minis with a shared engine and gearbox sump. Unlike conventional engine oils, Motorsport CTV Mini 20W-50 is formulated to deliver up to a 36% reduction in friction while providing exceptional wear protection. Its carefully balanced formulation uses high-quality performance additives, shear-stable viscosity improvers, and a blend of synthetic and mineral base oils designed to cope with combined engine and gearbox loads without compromising clutch performance.

Millers Oils support extended well beyond product supply, providing technical guidance on oil selection and operating conditions, ensuring the lubricant was optimised for Sime Racing's specific application. Regular oil analysis became a core part of the maintenance strategy, enabling early detection of wear trends and allowing informed decisions before issues could impact performance or reliability.

This combination of a purpose-built lubricant, expert technical support, and proactive monitoring gave Sime Racing the confidence to push their Mini to the limit, knowing both performance and component longevity were protected.

The Results

In competitive racing, marginal gains make the difference and since adopting Millers Oils, Sime Racing has seen consistent improvements across both performance and reliability. The impact was immediate. In 2016, Sime Racing exceeded expectations with podium finishes at every event entered, culminating in Barry Sime securing the HSCC K3 Class Championship overall. That level of performance has continued year after year, underlining the consistency and durability of the lubricants.

Recent successes include:

- CTCRC 2025 – Class C Champion, Overall 2nd
- CTCRC 2024 – Class C Champion, Overall 3rd
- CTCRC 2023 – Class C 2nd, Overall 2nd
- CTCRC 2022 – Class C Champion, Best Prepared Car in the Championship

Beyond trophies and podiums, the technical condition of the car has been equally impressive. Despite the demanding nature of motorsport, Sime Racing has observed minimal wear on major components. The Mini's race-tuned A-series engine, typically requiring frequent checks and rebuilds, has benefited significantly from the protection provided by Millers Oils.

As Barry Sime explains:

“Notably, our engine builder remarked on the superior condition of internals compared to engines using alternative oils. It’s evident that Millers Oils contribute significantly to our engine’s performance and longevity.”

The combination of championship-winning results and outstanding component condition highlights the role Millers Oils has played in delivering both performance and long-term reliability.

Recommendation

Trust, reliability, and performance are the winning formula for Sime Racing’s success. They confidently recommend Millers Oils as a long-term technical partner for competitors running classic and shared-sump vehicles where lubrication choice is critical. The combination of specialist formulations, expert technical guidance, and oil analysis support allows Sime Racing to focus on racing rather than reactive maintenance. More than just enabling championship-winning performance, Millers Oils plays a vital role in protecting heritage machinery from the inside, ensuring iconic race cars remain competitive, reliable, and race-ready for years to come.