

# AMSOIL Saber Professional Delivers Dependable Protection

**Field study with logging company proves Saber superiority under extreme conditions.**

AMSOIL Saber Professional Pre-Mix 2-Cycle Oil is formulated with exclusive AMSOIL synthetic base oils and premium additives. Designed for lean mix ratios in two-cycle motors, Saber Professional has excellent lubricity and cleanliness properties to control friction and help prevent wear, plug fouling and ring sticking.

## Many Applications, One Mix Ratio

Saber Professional has a recommended mix ratio of 100:1, even when the application calls for a ratio of 50:1 gas-to-oil. Its high-quality base oils resist consumption and evaporation better than conventional two-cycle oils. The combination of premium base oil chemistry and superior additive technology allows Saber Professional to deliver maximum performance and protection in small engine applications; even at 100:1.



## Logging Outfit Puts Saber To The Test

AMSOIL Synthetic 100:1 2-Cycle Oils have been providing improved performance and protection in two-cycle motors since 1973. However, there are still consumers who struggle with the notion that Saber provides optimum protection at 100:1 when the equipment manufacturer has specified a 50:1 mix ratio. In order to once again demonstrate the superiority of AMSOIL Synthetic 2-Cycle Oils, AMSOIL provided a logging company with six Stihl MS 440 chainsaws. Three of the saws were operated using the manufacturer-recommended two-cycle oil at the recommended mix ratio (50:1). The other three saws had AMSOIL Saber Professional installed at a mix ratio of 100:1. The loggers used all six saws as they normally would for 200 hours.

## 200 Hours of Abuse

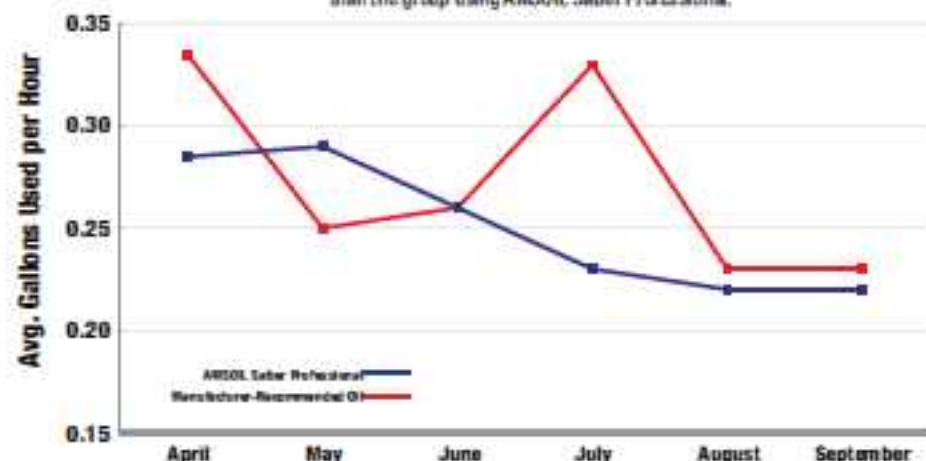
It is important to remember that normal use of chainsaws by a commercial logging outfit easily qualifies as extreme severe service. At the end of the 200-hour test period, the saws were returned with missing paint, cracked handles and an overall appearance of abuse.

## Saber Professional Withstands Severe Service

After the test period the saws were subjected to a detailed engine teardown to determine how well Saber performed. As expected, the teardown revealed that the chainsaws using AMSOIL Saber Professional at a mix ratio of 100:1 had fewer deposits, less wear and were generally cleaner than the saws that operated using the manufacturer-recommended two-cycle oil mixed at 50:1. In addition, the chainsaws with Saber installed used an average of 8% less fuel than the saws running conventional oil at 50:1.

## Average Fuel Consumption

The group using the manufacturer-recommended motor oil consumed 8% more fuel than the group using AMSOIL Saber Professional.



A logger puts Saber Professional to the test in the field.

## With AMSOIL Saber Professional at 100:1



## With Manufacturer-Recommended Oil at 50:1



The chainsaws using the manufacturer-recommended two-cycle oil featured heavier deposits than the chainsaws using Saber Professional.



# From the President's Desk

One of our long-time account reps from a major additive supplier paid us a visit recently to announce that he had been promoted to a new position and would no longer be handling our account. He would remain involved at a distance, but the hands-on responsibilities would be left to his replacement. This replacement, our new rep, joined him on this visit. It was his first trip to AMSOIL.

It was apparent from the start that the new rep had been educated on AMSOIL. That is, he had been advised that, above all, AMSOIL was all about quality and any run-of-the-mill technology that may appeal to other companies would earn no interest from us. He knew coming in that "average" was not in our vocabulary. I suspect, also, that our long-time rep had shared a sentiment that he expressed to us years earlier. "Time spent at AMSOIL," he said, "is like spending time at an Airborne Ranger boot camp."

Don't get me wrong. We weren't all that rough on him. In fact, we had a fantastic relationship. He did a great job for us, we respected his effort and we developed a genuine friendship. He enjoyed his trips to AMSOIL. I think he embraced the challenge, and I suspect that he took considerable pride in the role he played in developing products that went beyond the boundaries of the products other companies developed. He respected the fact that AMSOIL is fully committed to investing all that's necessary to remain at the forefront of the lubricant industry.

Our commitment to invest heavily in our products is not new to us. It's been the foundation of our philosophy from the very beginning. I remember distinctly that when we were developing our first 2-Cycle Oil back in the early 1970s I wanted a product that outperformed all other products. It had to be the very best. At that time I was working with a highly specialized and competent

additive supplier, and I knew very well that the additive used would be critical to wear protection. I would start with a pure synthetic base oil, but it would be the additive that carried the load.

As we began formulating, the supplier recommended the additive percentage that should be used. I knew, at that percentage, it would be a good oil, but I wanted to push the limits.

"How much higher can I go?" I asked.

I could tell it was the first time he had ever been asked that question. "Higher," he said, "why would you want to do that? It's very expensive."

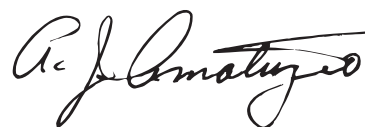
"Because I want to make a better oil," I said.

A week or so later the supplier got back to me with the maximum percentage that could be used. So that's where I took it. We had the oil tested at Southwest Research at a mix ratio of 300:1. Keep in mind that the best anyone else was doing was maybe 50:1. We were at 300:1 and passed with flying colors! We eventually introduced the oil at 100:1 because from a marketing perspective no one would have trusted a 300:1 mix ratio.

The investment in our products goes beyond the technology we use. Once products are developed we don't just sit idle and hope they sell. We are constantly investing in field studies and other forms of testing to validate product performance and uncover ways to make improvements. Take a look at page 13 in this issue. We invested five years of time, effort and research to further validate the performance of our SAE 50 Long-Life Synthetic Transmission Oil. As you will see, the oil held up

beautifully after over 500,000 miles of service in Eaton manual transmissions.

This study, on the heels of our Diesel Fleet Fuel Economy Study, serves as another example of the commitment we make to ensure that our products perform exactly as we claim they will. We make the investment, and we publish results. We don't speculate on product performance, and we don't hide behind unsubstantiated claims. We show our cards, and all AMSOIL customers can be assured that behind each and every AMSOIL product is documented proof and a rock-solid AMSOIL guarantee.



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