

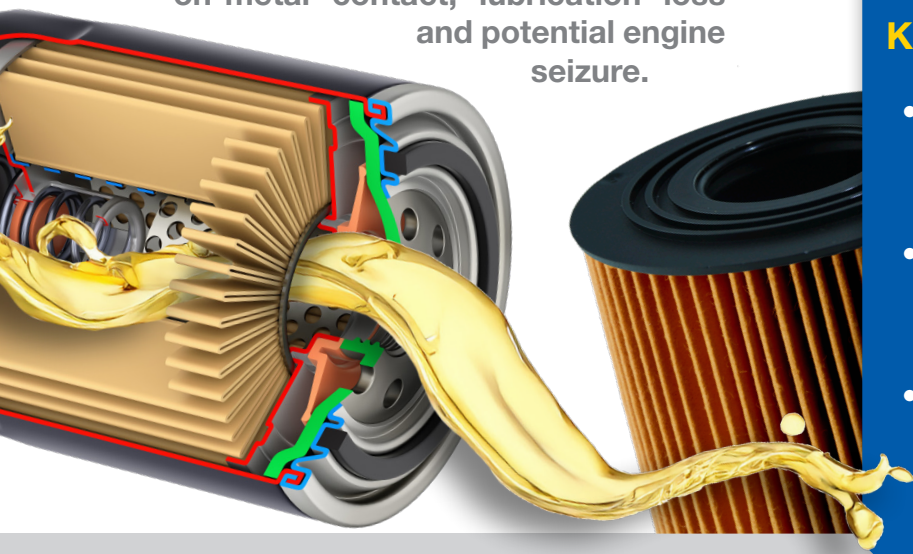
Technical Bulletin

Why do thinner oils make premium filters essential in 2026?

Modern engines increasingly rely on ultra-low-viscosity oils such as 0W-8 and 0W-12. While these enhance fuel efficiency, they also reduce the protective oil film inside engines, making premium oil filtration critical to preventing wear, maintaining performance and avoiding catastrophic engine failure.

WHY THINNER OILS INCREASE RISK

Thinner oils create a much narrower lubrication barrier. Even microscopic contaminants can breach this film, leading to **accelerated wear, metal-on-metal contact, lubrication loss and potential engine seizure.**



THE ROLE OF PREMIUM FILTERS

Premium filters use synthetic or multi-layer media capable of capturing particles as small as 10 microns. They offer strong construction, high dirt-holding capacity for long service intervals, reliable silicone anti-drain back valves and durable seals to ensure consistent, clean oil flow.



Key Trends for Workshops in 2026

- Renewable diesels may loosen deposits, leading to first-time filter blockages.
- Smart filtration systems with real-time pressure sensors are emerging.
- Euro 7 regulations are driving cleaner filter changes via sealed cartridge systems.

Comline continues to lead in delivering rigorously tested filtration solutions designed to meet the demands of modern engines while giving workshops reliable, OE-quality performance.