

WHY CHOOSE GRANVILLE OIL?

In the pursuit of a carbon-neutral future, the UK faces the challenges of transitioning to electric vehicles, but is still very much reliant on internal combustion engines to bridge the gap. For many drivers, however, the reluctance to embrace electric vehicles is driven (excuse the pun) by concerns about range, charge point availability (and cost), and the time required to plug in and recharge.

Consequently, hybrid and traditional combustion-powered vehicles remain integral, propelling continuous advancements in engine technology to achieve higher power outputs and fuel efficiencies from smaller engines.

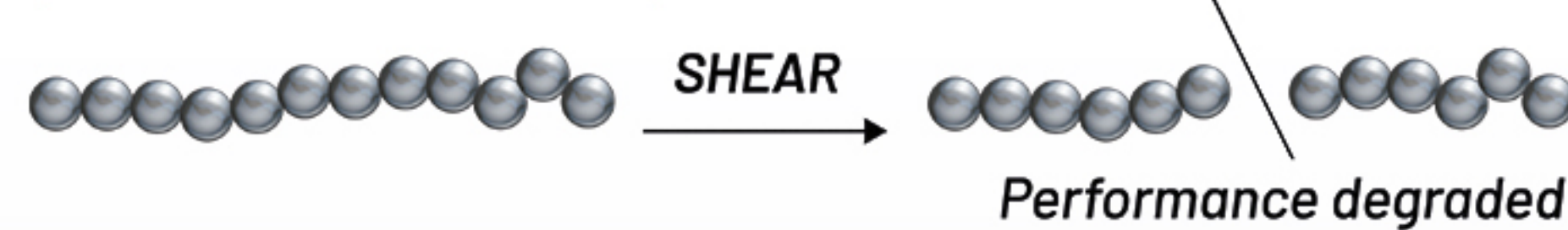
Modern engines, particularly those in smaller vehicles, are engineered with tighter tolerances than ever, operating at higher RPMs. In the early 1990s, just three oils covered the majority of vehicles on the road at that time, 10W-30, 10W-40, and 20W-50. Fast forward to today, where ultra-low viscosity oils are needed to meet ever more stringent emissions legislation and to assist manufacturers in achieving higher power and torque figures from smaller capacity engines. These include 0W-20, 5W-20, 5W-30 and 0W-16 even 0W-8 for some petrol and hybrid applications, not to mention the myriad of manufacturer specific oils and approvals required to service modern vehicles.

This places an increased demand on lubricating oils to provide optimal performance, as the oil must maintain a thin yet robust film strength for effective lubrication. The challenge lies in ensuring the fluid's shear stability, resisting the forces generated by the engine's movement. Traditional viscosity index improvers, with long linear chains, offered cost-effective

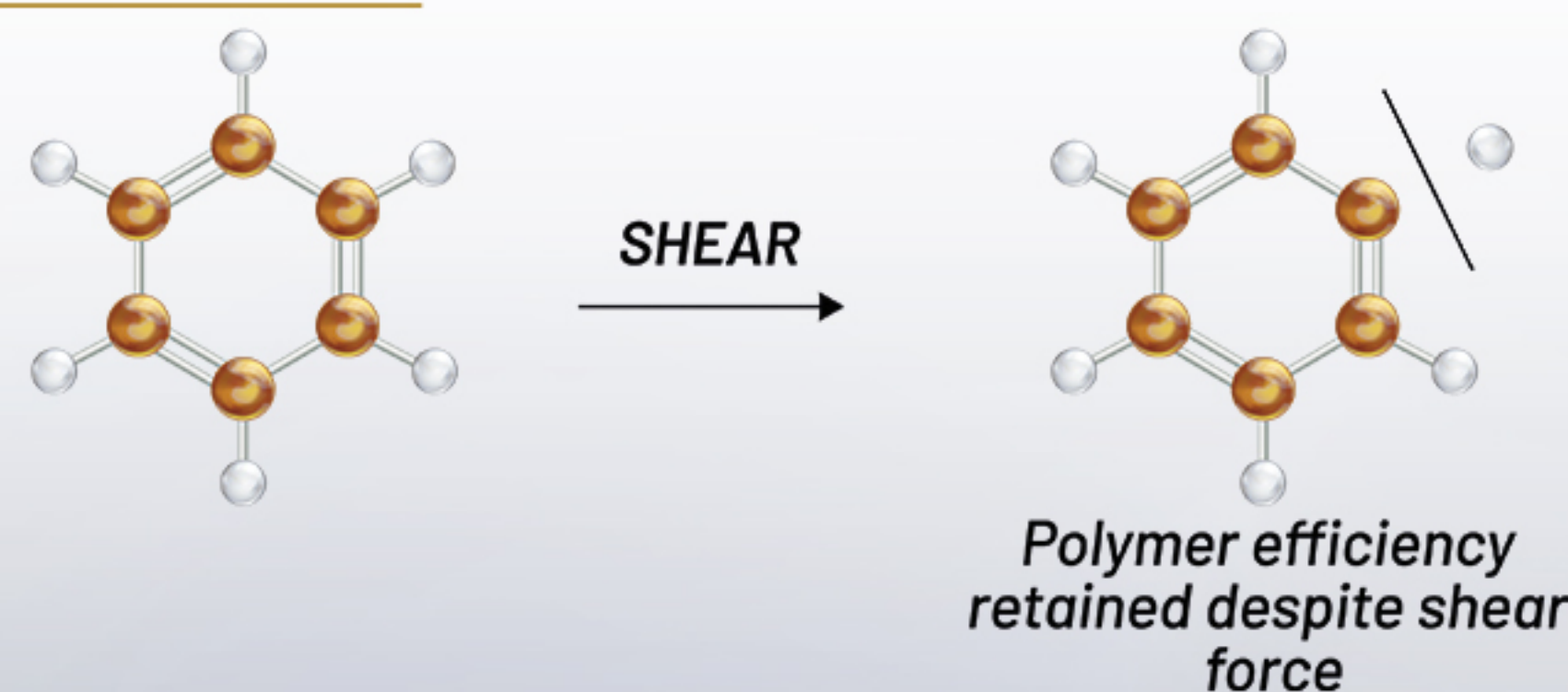
thickening efficiency but rapidly degraded under high shear conditions, diminishing engine protection over time. To address this challenge, Granville performance fluids utilise star-shaped polymers, significantly enhancing resistance to shear forces and ensuring sustained engine protection throughout extended drain intervals.

Illustration: Linear vs. Star Polymer
 Employing industry expertise and cutting-edge technology, Granville's oils are meticulously crafted using premium base oils, Esters, and PAO (Polyalphaolefin) fluids, combined with advanced viscosity index improvers, antioxidants, and detergents. Their meticulous formulation guarantees optimum performance, engine cleanliness, and maximum fuel efficiency.

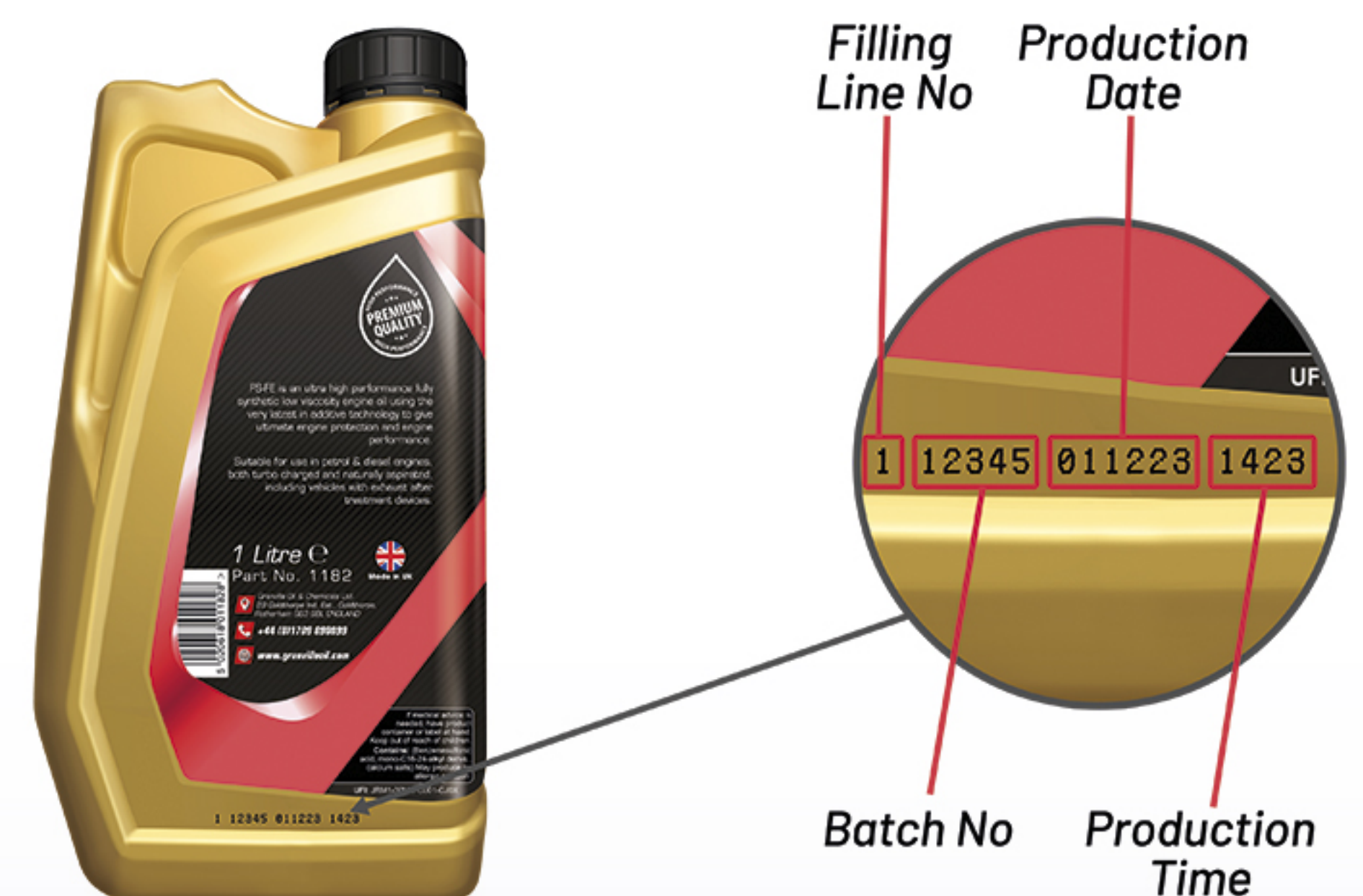
STANDARD POLYMER



STAR POLYMER



Traceability to the Minute
 Granville upholds the highest quality standards through its ISO-accredited quality management system. Traceability is not only maintained at the batch level, but is taken down to the minute details. Each Granville lubricant carries a batch number indicating the filling line number, batch date, and even the precise time the bottle was filled, or the box was completed. This commitment to traceability instils absolute confidence that the oil meets the manufacturer's recommendations, ensuring unparalleled precision and quality.



In an automotive landscape where mistakes can prove extremely costly, Granville is there to help protect your customer's cars and your business's reputation. Quality oil, using quality additives, and with full traceability. Can your business afford not to use a quality lubricant? Then, simply put, choose Granville!

