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FEATURE

QUALITY COUNTS

Why quality is a key factor when it comes to sourcing remanufactured engines

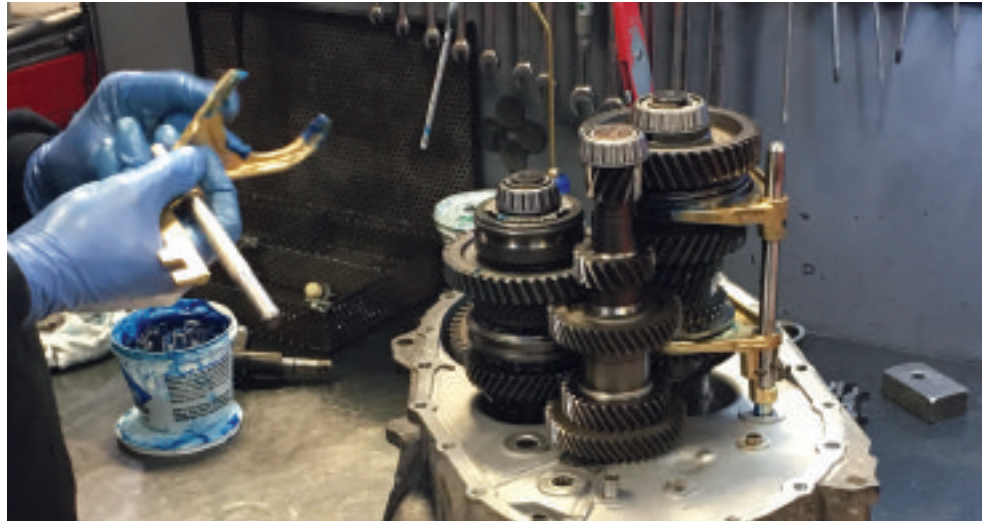


Quality is often described as being in the “eyes of the beholder” and is undoubtedly a key factor when it comes to remanufacturing of a major unit, such as an engine, turbocharger or gearbox, back to OEM specification.

While quality can be subjective, in terms of how a product is supplied, its price and fitness for purpose, in engineering terms it is also objective and can be measured through the use of specific standards to ensure products are free from defects and produced consistently.

Although it is more economical to source a remanufactured products, which can cost up to 40% less than their brand-new equivalents, quality and adherence to industry standards also needs to be considered, so it's important for workshops to understand the key differences between remanufactured products and reconditioned or refurbished items. Remanufacturing an engine or component back to OEM standard is a complex process that requires significant investment in skills and capital equipment, in addition to technical expertise and rigorous inspection procedures.

All remanufactured Ivor Searle engines are built to exceed the BS AU257:2002 Code of Practice. This standard sets out the difference between a quality remanufactured engine and a reconditioned unit. A remanufactured engine is one which has been returned to the manufacturer's specification to ensure levels of performance and reliability equivalent to the original engine. The standard



fully details how petrol and diesel engines should be inspected and checked against OEM tolerances and dictates that key components, including piston assemblies, big and small end bearings, as well as bushes, gaskets, seals, timing chains and drive belts are completely renewed.

Ivor Searle takes the standard demanded by BS AU257:2002 a step further by combining it with a quality management system certified to ISO 9001:2015 which is externally assessed on a continuing basis. ISO 9001:2015 is based around eight principles of quality that provide a framework to ensure a philosophy of continuous improvement is maintained.

Only brand-new replacement parts sourced for their reliability and durability are used in the remanufacturing process, while operations, such as crack testing and machining components, are undertaken to ensure original performance is achieved with reliability. In addition to having all key clearances and tolerances inspected during assembly, Ivor Searle also fully tests and inspects all engines as the final stage of the remanufacturing process.

Thanks to this demanding approach, garages purchasing a remanufactured engine can be confident that they are sourcing a unit that is built to the highest possible standard. In contrast, a reconditioned engine has been stripped or disassembled and cleaned and may, or may not, have had some

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damaged components replaced. Put simply, reconditioning is an entirely subjective process that offers little or no reassurance to the customer in terms of longevity, warranty protection, or performance to OEM standards.

Compare this to the remanufacturing process which aims to return a product to at least its original specification and performance with a warranty that is equivalent or better than that of its brand-new equivalent. At Ivor

Searle, all engines are guaranteed and each has a unique serial number. Once shipped, Ivor Searle rarely see one back, which is testament to over 70 years of experience and their focus on supporting their customers by providing a high level of service that reflects the quality of their products.

Ivor Searle offers an extensive all makes programme of remanufactured products for petrol and diesel cars and light commercial vehicles, with new applications being constantly added. To guarantee peace of mind, all Ivor Searle engines, cylinder heads and gearboxes are covered by a transferable 12-month unlimited mileage parts and labour warranty, while a two-year warranty covers all turbochargers. All products are also supplied with pre-installation guidelines for the workshop and model-specific instructions where required. In addition, all Ivor Searle professionally cleaned DPFs are provided with an inspection report and carry a no quibble 12-month unlimited mileage warranty. We hold comprehensive stocks to ensure first class customer service and minimum vehicle downtime, as well as free next day UK mainland delivery on stock items ordered before 3.30pm. Ivor Searle has an extensive distributor network across Scotland, so no matter where you are, you're never far away from a quality Ivor Searle product.

For more information: 01353 720531 or www.ivorsearle.co.uk