

IVOR SEARLE

AUTOMOTIVE PRODUCTS OF EXCELLENCE
SINCE 1946

REMANUFACTURING FOR THE FUTURE

WHO IS IVOR SEARLE?

A pioneer in the remanufacturing industry, Ivor Searle is one of the leading and most experienced engine remanufacturers in the UK. The family-run business boasts over 70 years of operation in the industry. Since its inception, Ivor Searle has continued to refine and improve the service that it provides to its clients, building up knowledge and expertise that's simply impossible to replicate.

Quality is paramount to Ivor Searle, with all of the firm's remanufactured engines built to adhere to the BS AU 257:2002 Code of Practice, which is set by the British Standards Institution (BSI). Ivor Searle is very particular about the materials it uses. The business carefully sources and selects materials and components based on their reliability and durability.

The business is so confident in its remanufactured products, including engines, gearboxes, cylinder heads and turbochargers, that it offers a 12-month unlimited mileage

IVOR
SEARLE
ENGINES OF EXCELLENCE

Camshafts

- Measured for straightness and wear. If necessary, cam lobes are re-profiled or the camshaft is renewed

Cylinder Head

- Inspected for cracks, crack tested and/or subjected to a submerged pressure test
- Checked for distortion and thickness
- Overhead camshaft configurations have the housings checked and restored to specification
- Nonconforming parts are replaced with new castings
- Bolt and stud threads are cleaned and damaged threads are replaced
- Refaced to ensure the optimum surface finish specified by the engine or gasket manufacturer

Belts/Chains and Tensioners

- Replaced with new

Crankshaft

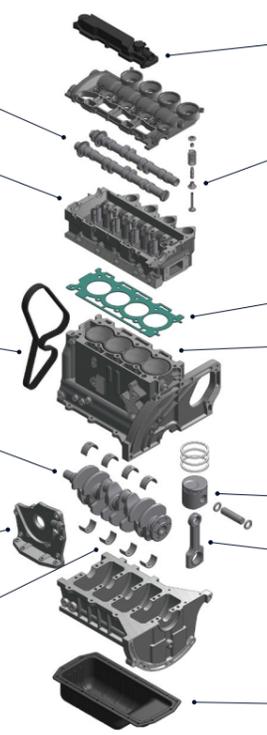
- Checked for alignment
- Sealing diameters are measured and reclaimed as necessary
- Measured and reground or polished to conform to the bearing manufacturer's dimensional and surface finish specifications
- Diesel crankshafts are electromagnetically crack tested
- Oil galleries are de-burred and thoroughly cleaned

Oil Pump

- All pumps are stripped and cleaned
- Clearance between the rotor and body is measured
- Oil pressure relief valve is dismantled, cleaned and all parts not to specification are replaced with new

Bearings

- All big end, main and thrust bearings are replaced with new components comparable to OE specification



Rocker Cover

- Where applicable, breather boxes are inspected and cleaned or if necessary, replaced with new

Valves, Guides, Seats and Springs

- Valves - Examined for damage, measured for stem wear, head thickness and straightness, and are re-faced or renewed as necessary
- Valve Seats - Machined to the correct seat angle, width and depth or replaced with an insert
- Guides - Measured for wear and re-sized or replaced as necessary
- Springs - Measured for free height, compressed load length and squareness and renewed as necessary

Gaskets

- All gaskets and seals are replaced with new components comparable to OE specification

Cylinder Block

- Bolt and stud threads are cleaned. Any damaged threads are replaced
- Re-bored or re-sleeved and honed to the piston manufacturer's specification, including surface finish
- Re-faced to ensure the optimum surface finish specified by the engine or gasket manufacturer
- Main housings are checked and re-machined as necessary

Pistons

- All pistons, rings and pins are replaced with new components comparable to OE specification

Con-Rods

- Big end housings are measured for size, ovality and are re-sized as necessary
- Small end bushes are measured and replaced if found to be outside the manufacturer's specification
- Checked for alignment and weight graded into engine sets

Sump

- All sumps are checked for damage and are repaired or replaced as necessary



warranty on its engines, gearboxes and cylinder heads and a 24-month warranty on turbochargers.

At any time, Ivor Searle has over 400 units in stock and employs a dedicated, highly experienced and knowledgeable technical sales team, so it's easy to see how the firm has established itself as the leading supplier of remanufactured engines and associated products.

What is remanufacturing or 'reman'?

To put it simply, a remanufactured engine is one that has been completely stripped down, cleaned, inspected and then rebuilt to the original specification of the manufacturer. It uses new OEM parts or equivalent and remanufactured components that have been through a painstaking process to bring them back to original standard.

You might be thinking, 'Old

engine parts? They won't work.' But you'd be wrong. Ivor Searle thoroughly checks, cleans, processes and machines its engines and their constituent parts, to ensure that they operate as per the manufacturer's original specification. Every engine is tested in one of the end of production test facility cells. To all intents and purposes, every unit leaving Ivor Searle's factory in Cambridgeshire is as new OE equivalent or in some cases better with warranty to match.

Remanufacturing is a highly efficient, cheaper and much more sustainable way to provide customers with an alternative to buying new units with an expensive price tag. Typically, the remanufacturing process saves Ivor Searle's customers 30% against the cost of procuring a brand new engine. In addition, it's worth remembering that remanufacturing saves, on average, 50 kilos of steel per engine, so it's an effective form of recycling.

Remanufactured vs Reconditioned

A remanufactured or 'reman' engine should never be confused with a reconditioned engine. A reconditioned engine only has the faulty part replaced, so is not subjected to the same high level of disassembly, cleaning, inspection, re-machining or replacement like that of an Ivor Searle precision reman unit engine.

What products does the company offer?

Ivor Searle has developed an extensive range of high-quality products, which are suited for both car and light commercial vehicles (both diesel and petrol). The business remanufactures engines, cylinder heads, turbochargers, gearboxes and it also offers a DPF cleaning service.

How can it help your business?

Ivor Searle employs a committed and experienced technical sales team that prides itself on its ability to help customers. From start to finish the team work hard to ensure that the best level of care and attention is given to you, the consumer.

Ivor Searle's extensive 'off the shelf' product range of reman major units provides fleet controllers with a cost-effective and sustainable means of keeping vehicles on the road without the need to purchase from new. With next day delivery on all stocked items guaranteed if ordered by 3.30pm, fleet businesses can be reassured by Ivor Searle's commitment



Pictured: Commercial Director: David Eszenyi



to service, backed up by an unrivalled warranty process.

for customers to search the exact unit required, by simply entering the vehicle registration.

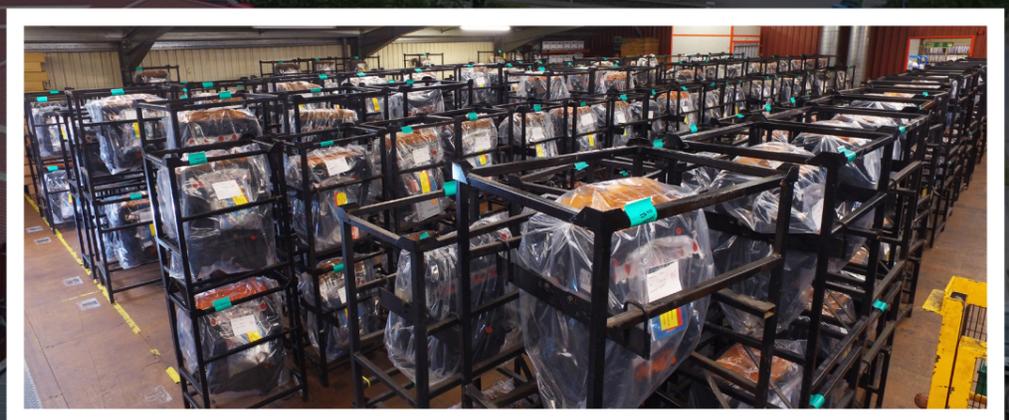
Thanks to its high quality remanufacturing process, Ivor Searle's products make a logical business investment, as well as contributing to a fleet's corporate social responsibility in regard of impact on the environment. Operating under the mantra, 'Remanufacturing Products of Excellence', Ivor Searle's ethos for quality in all areas, from receiving old core units to delivering new reman products, gives you complete confidence in your fleet.

Visit www.ivorsearle.co.uk or alternatively, call **01353 720 531** to speak to David Eszenyi, the company's Commercial Director, about your fleet requirements.

Ivor Searle's pioneering ECAT website makes it even easier



TIMELINE



2016
Launched new website which was pioneering in the global remanufacturing industry.

1967
Ivor Searle's son Colin joins the business aged 17.

1977
The Wicken crankshaft and Bearing Company was renamed Ivor Searle Ltd.

1987
Started selling remanufactured engines to reconditioners and factors throughout the UK.

1992
Further increased factory production area by 24,000 square feet

1999
Purchased factory at 5 Regal Lane adding a further 15,000 square feet, this was fully refurbished to Ivor Searle's needs.

2007
Michael Searle sadly dies aged 59.

2013
Production started on remanufactured turbochargers and gearboxes in the new factory.

1956
Ivor Searle sadly died aged just 40.

1973
Colin's brother Michael joins the business.

1983
Moved to purpose built 10,000 square feet factory at Soham.

1991
Ivor Searle started exporting engines and heads to France and Germany.

1998
Started exports to Holland and Belgium.

2002
Started supplying remanufactured product to the fleet sector.

2012
New 15,000 square feet factory was built next to existing factory at 2 Regal Lane.

2015
Ivor Searle now has 70,000 square feet of production at its Soham location and sells remanufactured product throughout the UK and Western Europe.

1946
Agricultural engineer Ivor Searle started an engine reconditioning business in the village of Wicken.

