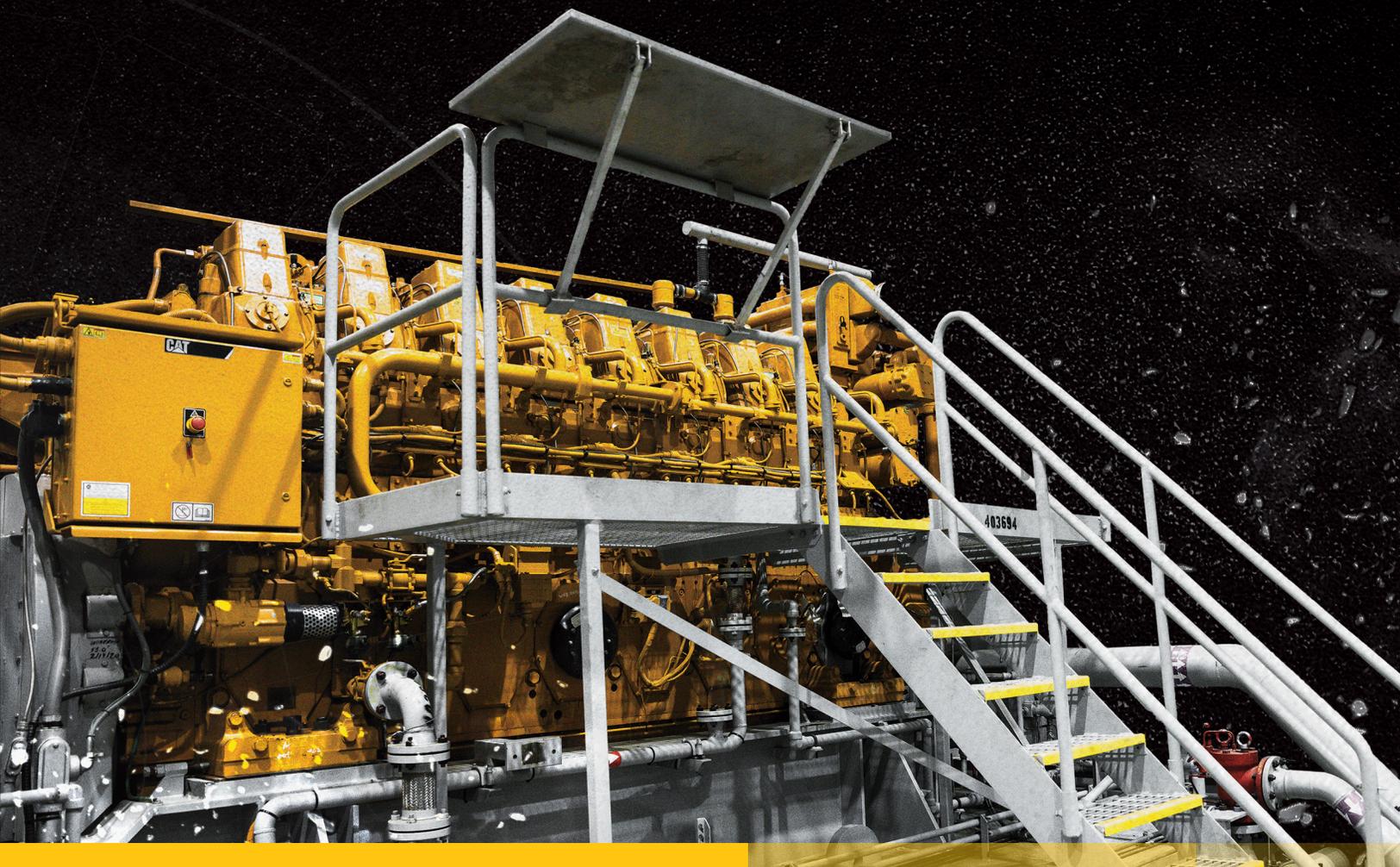


# CAT<sup>®</sup> REMAN SOLUTIONS FOR GAS COMPRESSION.

RETURN. REMANUFACTURE. RESTART.



# REMANUFACTURED FOR WHAT'S NEXT.

Your gas compression operations are only as good as the engines powering them. That's why Cat® Reman has made it easy to repair those engines with the critical Cat parts that help you maintain performance without breaking the bank.

To do that, we remanufacture parts from long and short blocks to crankshafts and oil coolers to electronics – all to help bring your engines back to like-new performance. Our engineering experts deploy state-of-the-art quality, salvage and remanufacturing techniques to achieve original Caterpillar performance specifications, so your equipment is again ready to tackle the hard work it was originally built for – no matter the part.

And that's not all, in cases where critical engineering updates are made after the original part has been released, these updates are incorporated into the Cat Reman part to meet today's performance standards.

» FRACTION OF THE COST OF  
NEW WITH CORE RETURN<sup>1</sup>

» **65-87%**

LESS GREENHOUSE GAS PROCESS  
EMISSIONS<sup>2</sup> WHEN COMPARED  
TO MANUFACTURE OF NEW

**MORE OPTIONS. LESS WASTE.**

We have spent decades refining the Cat Reman process to be better for your performance in the field and your bottom line. Cat Reman gas compression components offer an additional repair option at a fraction of the cost when you return your end-of-life core. Remanufacturing parts also supports sustainability benefits by reducing end-of-life waste through core return.

1. Cost savings based on core return, core conditions apply

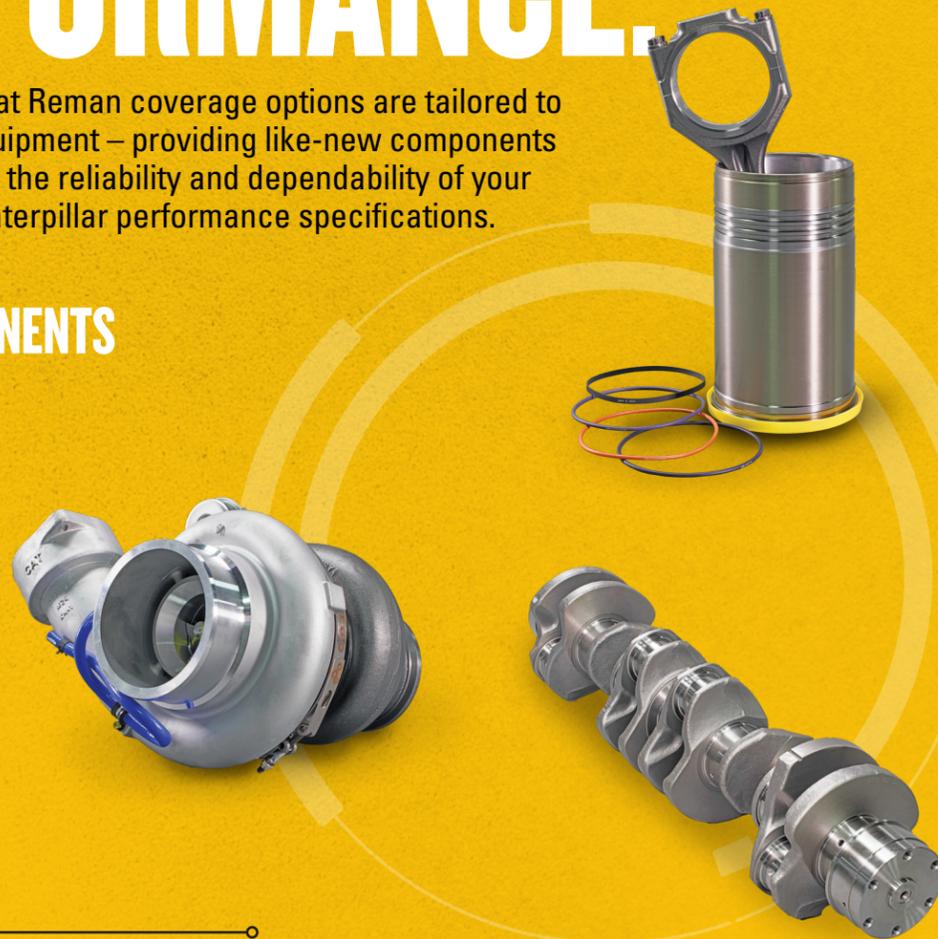
2. Represents U.S. environmental impacts comparing "gate-to-gate" remanufacturing and manufacturing processes for engines and components. Based on 2018 external study of Cat engines, alternators and turbochargers. Does not include impacts elsewhere in our value chain.

# REMANUFACTURED PRODUCTS. RECLAIMED PERFORMANCE.

Our wide range of Cat Reman coverage options are tailored to support your Cat equipment – providing like-new components capable of returning the reliability and dependability of your engine to original Caterpillar performance specifications.

## CAT REMAN COMPONENTS

- » 3600 prechambers
- » Alternators & starters
- » Camshafts
- » Connecting rods
- » Crankshafts
- » Cylinder heads
- » Cylinder packs
- » Electronics
- » Fuel nozzles & injectors
- » Oil coolers
- » Short & long blocks
- » Turbochargers
- » Water pumps



## TRANSFORMED TO BE LIKE-NEW

Every **Cat Reman component** is thoroughly inspected, remanufactured, and rigorously tested before it is put back into circulation. It all happens at our state-of-the-art remanufacturing facilities, where our team does it all.

- » Disassembly, cleaning and inspection of every component to be remanufactured
- » Application of advanced salvage techniques and incorporation of all critical engineering updates
- » Machining of complete block to original Caterpillar quality specifications
- » Incorporating all critical engineering updates
- » Performing testing to make sure the product meets original Caterpillar performance specifications

# SUPPORT FOR MORE OF YOUR FLEET.

## CAT REMAN GAS COMPRESSION COVERAGE

		G3300/ G3400	G3500	G3600
<b>COMPONENT</b>	Air Starting Motors	•	•	•
	Alternators	•	•	•
	Cat Emissions Modules	•	•	•
	Connecting Rod Assemblies	•	•	•
	Cylinder Heads	•	•	•
	Cylinder Packs	•	•	
	Camshafts	•	•	•
	Crankshafts	•	•	
	Dampers		•	•
	Electronic Controls	•	•	•
	Fuel Nozzles & Injectors	•	•	•
	Oil Cooler & Heat Exchanger	•	•	•
	Pistons	•	•	
	Prechambers			•
	Replacement Blocks - Long	•		
	Replacement Blocks - Short	•	•	
	Rocker Arms & Lifters	•	•	•
	Sensing & Sending Devices	•	•	•
	Starting Motors	•	•	•
	Turbochargers	•	•	•
Water pumps, Oil Pumps, Oil Coolers, Pre-lube Pumps	•	•	•	

1. Contact your authorized Cat dealer for complete coverage.



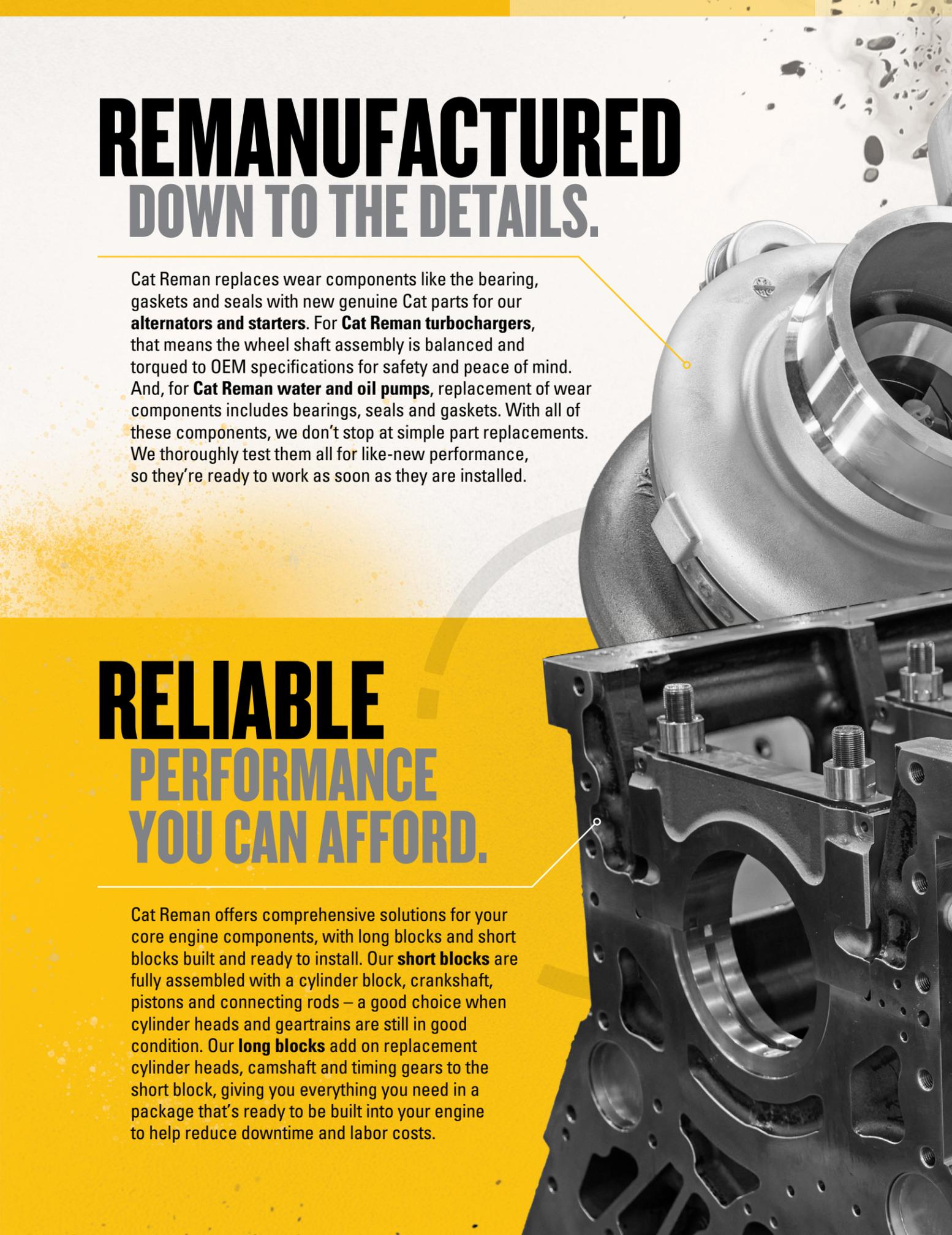
# REMACHINED TO LIKE-NEW STANDARDS.

Because the harsh working environment of gas compression can wear down and affect the shape of some engine components, Cat Reman takes time to bring them back to like-new condition. **Cat Reman crankshafts** are 100 percent magnafluxed to detect cracks. The journals are then machined to like-new tolerances for surface finish, roundness and location.



# RELOAD WITH REMANUFACTURED CYLINDER HEADS AND PACKS.

Without the proper fit and seal, your engine can quickly let you down. It's why **Cat Reman cylinder heads** are 100 percent magnafluxed to detect cracks, precision machined to meet like-new Caterpillar specifications, and have all critical wear and sealing components replaced with new Cat parts. On top of that, our **Cat Reman cylinder packs** come pre-assembled to reduce repair time during overhaul and provide like-new performance.



# REMANUFACTURED DOWN TO THE DETAILS.

Cat Reman replaces wear components like the bearing, gaskets and seals with new genuine Cat parts for our **alternators and starters**. For **Cat Reman turbochargers**, that means the wheel shaft assembly is balanced and torqued to OEM specifications for safety and peace of mind. And, for **Cat Reman water and oil pumps**, replacement of wear components includes bearings, seals and gaskets. With all of these components, we don't stop at simple part replacements. We thoroughly test them all for like-new performance, so they're ready to work as soon as they are installed.



# RELIABLE PERFORMANCE YOU CAN AFFORD.

Cat Reman offers comprehensive solutions for your core engine components, with long blocks and short blocks built and ready to install. Our **short blocks** are fully assembled with a cylinder block, crankshaft, pistons and connecting rods – a good choice when cylinder heads and geartrains are still in good condition. Our **long blocks** add on replacement cylinder heads, camshaft and timing gears to the short block, giving you everything you need in a package that's ready to be built into your engine to help reduce downtime and labor costs.

# WHY CHOOSE CAT REMAN?

## DESIGNED TO REDUCE DOWNTIME

From long blocks to short blocks to the critical parts that support your equipment, Cat Reman products are built to streamline the installation process with drop-in efficiency that gets you back up and running faster.

## WE KNOW YOUR CAT EQUIPMENT BEST

Only Caterpillar can restore Cat products to like-new Caterpillar specifications. Our team of expert engineers uses these specifications so that Cat Reman offerings meet like-new performance and quality standards. This means parts you can depend on to perform like-new.

## WE STAND BEHIND OUR WORK

Cat Reman products are remanufactured to last. So, we extend their like-new features to include the coverage provided by Caterpillar. Cat Reman parts and engines receive the same-as-new Caterpillar Limited Warranty<sup>1</sup> – protecting against Caterpillar defects in material and/or workmanship.

### WHAT CAT REMAN IS

### AND WHAT IT IS NOT



#### CAT REMAN IS...



#### CAT REMAN IS NOT...

- ✓ Engineered in a consistent process delivering sustainability benefits, within a manufacturing environment designed to match the OEM performance specifications and manufacture of new products.
- ✓ Upgraded to include critical engineering updates.
- ✓ Made using components from original equipment which have been remanufactured to like-new quality by Caterpillar.
- ✓ Restored using proprietary Caterpillar processes with genuine Cat parts.
- ✓ Covered by a same-as-new, 12-month Caterpillar Limited Warranty.<sup>1</sup>
- ✓ A comprehensive remanufacturing process of used parts obtained through core return that gives each part a new identity.

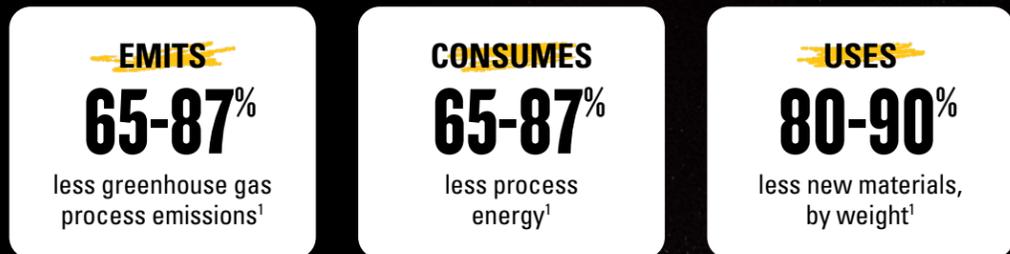
- ✗ A repair — which is often a simple or targeted fix for specific concerns, designed to keep equipment running for the near term. However, Cat Reman solutions can be used as part of the repair process.
- ✗ A refurbish/recondition — which generally includes an external physical inspection, an internal visual examination, cleaning of material buildup and then reassembly with basic testing.
- ✗ A rebuild — which may require a longer turnaround time and, when completed by a third party, may use will-fit parts without the benefit of Caterpillar reuse guidelines and salvage specifications. However, Cat Reman solutions can be used as part of the rebuild process.
- ✗ A retrofit — in which new parts are designed to fit into older machine models to address productivity or maintenance issues.

<sup>1</sup> Warranty can vary by model and application; limitations apply. Contact an authorized Cat dealer for complete details about the applicable Caterpillar Limited Warranty.

# REVIVE EQUIPMENT. REPLENISH SUPPLY.

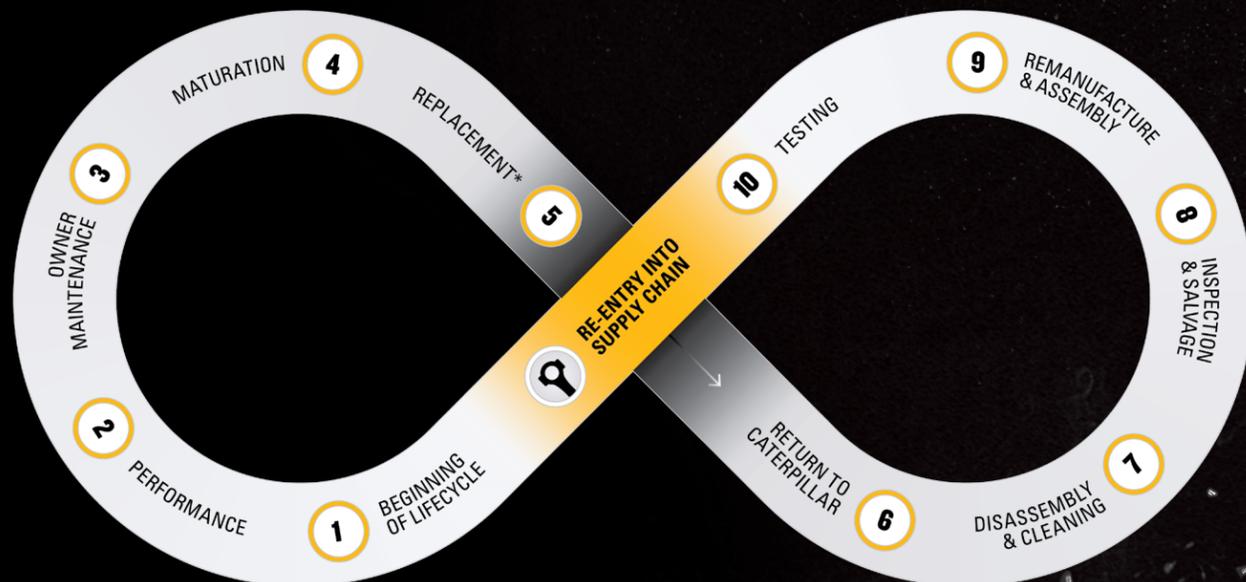
Cat Reman offers an efficient solution for refreshing your power and production. As part of our circular economy, we take your returned cores and turn viable end-of-life parts into like-new performers – keeping the supply chain stocked and limiting unnecessary waste.

## WHEN COMPARED TO THE MANUFACTURE OF NEW COMPONENTS, REMANUFACTURING:



1. Represents U.S. environmental impacts comparing "gate-to-gate" remanufacturing and manufacturing processes for engines and components. Based on 2018 external study of Cat engines, alternators and turbochargers. Does not include impacts elsewhere in our value chain.

## CAT® REMAN PRODUCT LIFECYCLE



\* It is recommended to replace before failure. Replacements after failure may result in partial credit.

# GLOBAL SUPPORT STANDING BY.

With the support of the full Cat dealer network, you're never far from the Cat Reman parts and components you need. That includes 21 Global Caterpillar Parts Distribution centers and more than 2,300 authorized Cat locations – all ready to keep you up and running with drop-in ready solutions when and where you need them.

# CORE RETURNS.

At Caterpillar, we work to make sure that no viable core goes to waste. So, when your component reaches the end of its lifecycle and a Cat Reman product is purchased, you can return your core to your dealer for a core deposit refund. The viability of a core and the amount of refund provided is determined by the dealer inspection team.

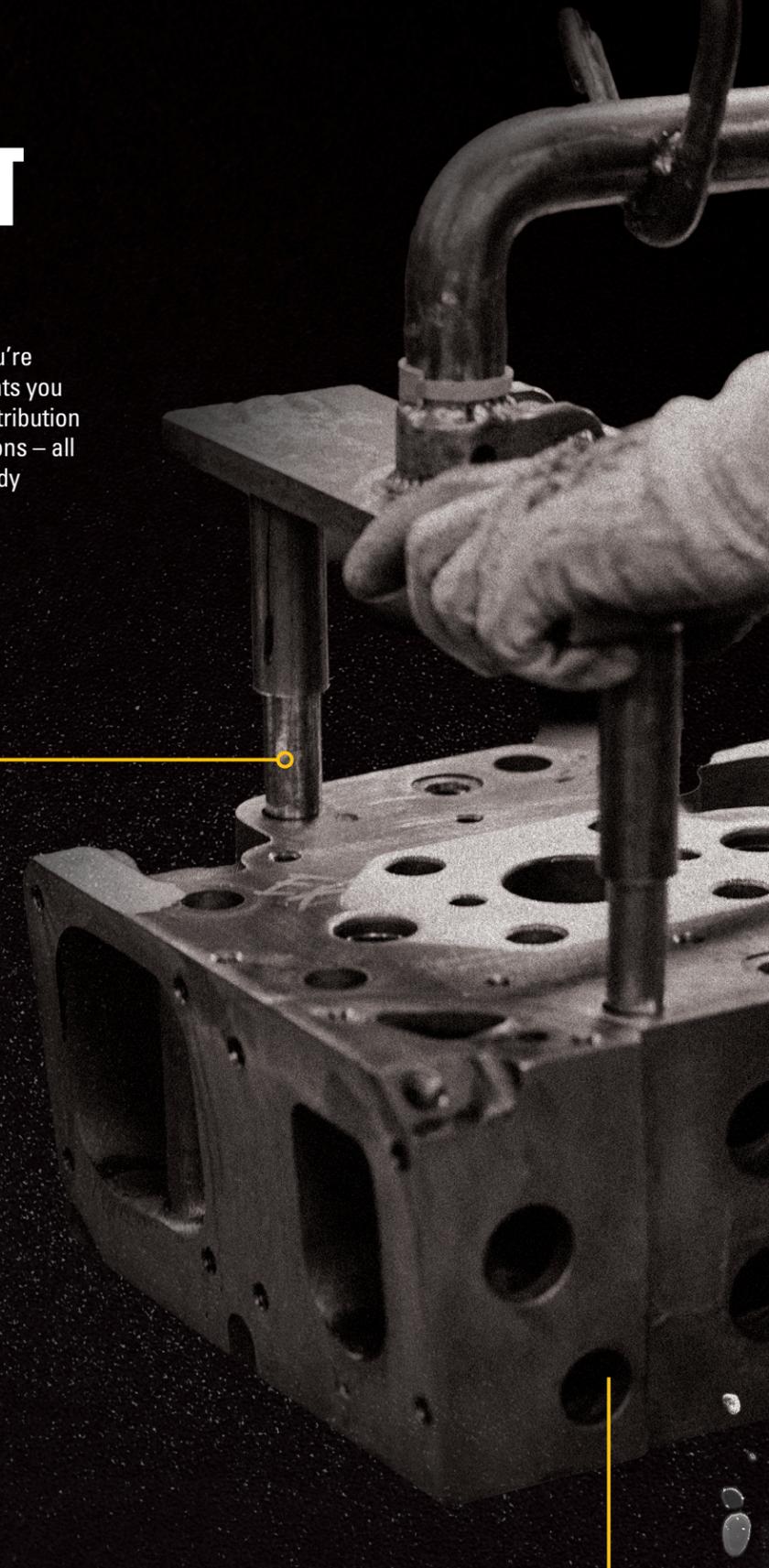
### In most cases, we accept cores<sup>2</sup> that:

- » Are fully assembled and complete
- » Are not visibly cracked, broken or welded
- » Display no non-operational damage, like mishandling, excessive rust, corrosion or pitting
- » Have an acceptable Cat part number

2. Core Acceptance Criteria (CAC) vary by component and are subject to change. Partial core refunds are available for some Cat Reman components. Contact your authorized Cat dealer for more information.

## ORDER PARTS ONLINE

Know what you need and have no time to waste? Search the complete Cat Reman product line on [Parts.Cat.Com](https://Parts.Cat.Com).





# READY FOR A CAT REMAN PRODUCT?



**CONTACT YOUR LOCAL CAT DEALER TO  
RESTORE LIKE-NEW PERFORMANCE FOR  
YOUR GAS COMPRESSION ENGINES AT  
[CAT.COM/REMAN.](https://www.cat.com/reman)**