

CAT® REMAN FUEL INJECTORS FOR MINING

# PROVEN FOR LASTING PERFORMANCE



## IN MINING, UNCOMPROMISING PERFORMANCE ISN'T OPTIONAL—IT'S ESSENTIAL.

**Cat® Reman fuel injectors deliver it with precision, power and proven reliability.**

It starts with our state-of-the-art remanufacturing processes. Each component is disassembled piece by piece, rigorously inspected and tested to meet its original Caterpillar performance specifications. Paired with advanced salvage techniques and critical engineering updates, you get a high-quality Cat Reman fuel injector. Backed by like-new performance at a fraction-of-new cost with core return<sup>1</sup> and a same-as-new Caterpillar Limited Warranty.<sup>2</sup>

Access a full lineup of Cat Reman fuel injectors that power resource industries. Refined. Reliable. Drop-in Ready.



**LIKE-NEW PERFORMANCE**



**FRACTION-OF-NEW COST WITH CORE RETURN<sup>1</sup>**



**CATERPILLAR WARRANTIED PRODUCT<sup>2</sup>**

<sup>1</sup>Core conditions apply.

<sup>2</sup>Warranty can vary by model and application; limitations apply. For complete details about the applicable Caterpillar Limited Warranty, contact an authorized Cat dealer.

# ENGINEERED FOR EXCELLENCE. PROVEN TO PERFORM IN MINING.

## BUILT FOR THE PRESSURE.

Remanufactured doesn't mean repaired. It's the process of returning end-of-life products, or core, to like-new condition. Using advanced technologies at our state-of-the-art facilities, each Cat Reman injector undergoes:

- 1 DISASSEMBLY:** Each injector is disassembled to its smallest piece parts.
- 2 CLEANING:** This includes a robust process featuring agitation, turbulence and high-power ultrasonic cleaning that penetrates even the smallest cavities.
- 3 GENERAL INSPECTION:** We check for abnormalities using x-ray technology and high-precision magnification, followed by a flow test to make sure all openings are free of obstructions.
- 4 SALVAGE:** Materials are carefully added, ground, honed and bored to original Caterpillar component design specifications.
- 5 FINAL INSPECTION:** Confirms no defects were missed.
- 6 ASSEMBLY & TESTING:** Each individual component is tested prior to assembly, including tips, nozzles, plungers and solenoids.
- 7 QUALITY CONTROL:** Fully assembled injectors are measured in climate-controlled conditions and calibrated with certified equipment.
- 8 END-OF-LINE TESTING:** Each Cat Reman injector is tested to like-new specifications and performance — matching the standards of a new part. Only after passing all tests will the injector be assigned a unique identity and Cat Reman part number.

## WHAT ABOUT QUALITY? CAT REMAN INJECTORS ARE TESTED LIKE NEW.

When we say "like new," we mean it. Working with intricate parts like injectors calls for precise testing and quality checks. **That's why we make sure all Cat Reman injectors pass the exact same testing points as new Cat injectors, including:**

- A fuel delivery vs. timing range to prevent low power, misfires and poor fuel economy
- Fuel system performance and defect tests where every injector receives a unique calibration code based on the test measurements — **something only an OEM like Caterpillar can do**
- Stringent injector leakage specifications to avoid fuel-to-oil dilution and premature component wear
- An electric trim code designed to tune delivery and timing to meet strict emissions and performance standards

## MADE FOR MINING APPLICATIONS. BACKED FOR YOUR PEACE OF MIND.

With a same-as-new Caterpillar Limited Warranty<sup>2</sup>, Cat Reman injectors can perform and endure like new thanks to consistent manufacturing processes — meeting original Caterpillar performance specifications.

**Talk to your local authorized Cat dealer today to learn more about the benefits of Cat Reman fuel injectors for your mining operation.**

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