

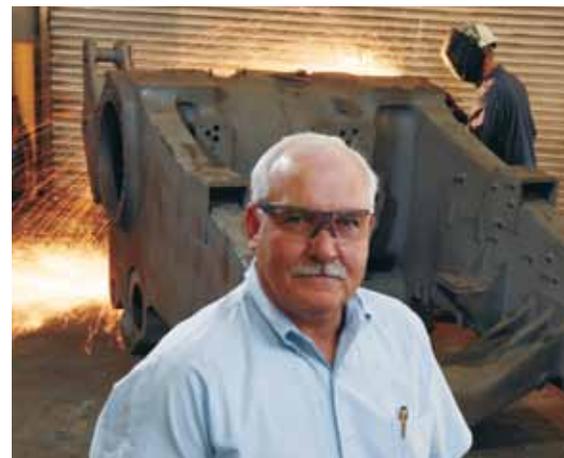
Cat[®] Certified Rebuild

Machines • Power Train • Engines • Hydraulics • Components



Continue your success story with Cat[®] Certified Rebuilds

Your business depends on satisfying the customer and using the best tools for the job. So does ours. That's why we design Cat equipment to deliver value from day one—and support your business over the long term, too. Our machines, power trains and major components are “built to be rebuilt.”



Rebuild with the latest updates

With the Cat Certified Rebuild program, you get the latest engineering updates at a fraction of the cost of buying new. Complete machine rebuilds include:

- More than 350 tests and inspections
- The automatic replacement of approximately 7,000 parts
- Like-new machine warranty
- Work by trained dealer service professionals
- Genuine Cat original equipment parts



Choose the program that's right for you

CERTIFIED REBUILD	The entire machine
CERTIFIED POWER TRAIN	The full power train
CERTIFIED HYDRAULIC REBUILD	An excavator's hydraulic system
CERTIFIED MACHINE COMPONENT REBUILD	Engines and/or transmission/torque converter combinations
CERTIFIED ENGINE REBUILD	Marine propulsion, generator sets, pumps, locomotives and other power applications

**REBUILD PART OR ALL OF YOUR EQUIPMENT—
FOR MAXIMUM LIFE AND MAXIMUM VALUE.**



Extending your success story, step by step

Your business depends on having the right equipment for the job. Here's how we deliver like-new performance for a fraction of the cost of buying a new machine or power train.

1. Inspection/Evaluation

We perform fluid analysis, visual inspections and review maintenance/S-O-S(SM) analysis services to develop a customized rebuild plan and cost estimate. Certified Rebuild includes more than 350 tests and inspections; Certified Power Train, up to 200.

2. Disassembly

Your machine or power train is disassembled. All hoses, belts, seals, gaskets, bearings, knobs, wiring, switches and gauges will be replaced with new parts. Remaining parts are inspected and measured against strict reusability guidelines. Parts that don't meet the guidelines are replaced with new or Cat Reman parts—or reconditioned to meet specifications. Approximately 7,000 parts are replaced in machines; 3,000 in power trains.

3. Reconditioning

This includes work not typically included in an overhaul. Frames are examined and, if necessary, straightened, welded and reinforced. Worn linkage pins and shaft bearings are replaced. Hydraulic systems are returned to their original levels of performance, reliability and cleanliness, meeting ISO 18/15. Electronic control modules and software are replaced.

4. Engineering Updates

Improvements introduced after the original date of manufacture are incorporated.

5. Power Train Tests

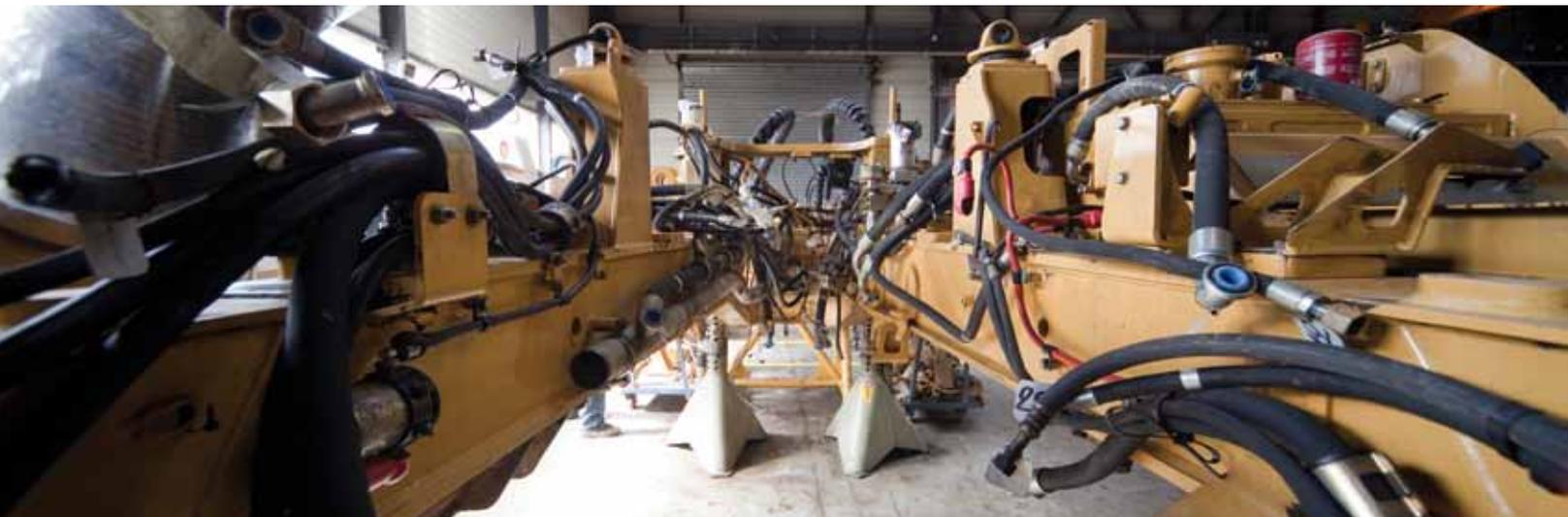
The engine, fuel system, transmission, torque converter, differential, final drives and radiator are inspected, reconditioned and updated with new or qualified parts. Each component is thoroughly bench tested before reinstallation.

6. Reassembly

All critical torques, clearances and pressure settings are maintained and recorded during reassembly. Engine wiring harnesses are always replaced. Other wiring is replaced on full machine rebuilds only.

7. Performance Testing

Quality control includes testing. Standard tests include: turbocharger boost, throttle response, stall speed rpm, transmission and steering clutch response, and hydraulic and pilot relief valve pressures. Contamination control procedures ensure the unit meets total system cleanliness of ISO 18/15. Instrument and operational testing ensure field and shop performance levels match.



8. Repainting

Your machine is repainted. Model identity graphics are applied. And a Cat Certified Rebuild decal is issued.

9. New Serial Number or Product Identification Number

Certified Rebuild machines receive a new serial number or product identification number. The number identifies your machine and entitles you to a like-new standard warranty*. An additional bonus: Certified Rebuild machines tend to capture significantly higher resale values.

10. Customer Evaluation

You and your machine operators are the final step. The rebuild process is not complete until you are satisfied with the performance of the machine or power train in its working environment.

*See your Cat dealer for warranty details

Value beyond the rebuild

The rebuild process extends beyond a piece of rebuilt equipment. The value of your equipment increases with warranties and coverage from Caterpillar—and the support of the largest dealer and part distribution network in the world.

Certified Rebuild

New parts warranty on all replaced parts and your choice of extended power train coverage:

- 1 year or 6,000 service hours
- 3 year or 5,000 service hours, or
(Mining machine power trains only)
- 2 year or 10,000 service hours

Certified Power Train

Your choice of extended power train coverage:

- 1 year or 6,000 service hours
- 3 year or 5,000 service hours, or
(Mining machine power trains only)
- 2 year or 10,000 service hours; coverage varies by country

*Other items available



Certified Rebuild

You invested in Cat quality when you bought your machine. With a Cat Certified Rebuild you can recover all the performance and productivity of your original machine—and capture the benefits of the latest engineering updates, too.*

- Like-new performance at a fraction of the new price
- Endorsed by Caterpillar
- Performed by Cat dealers
- Completed with genuine Cat parts
- New parts warranty on all replaced parts
- Your choice of extended power train coverage

*Your rebuilt machine will generate information you can use to boost productivity, reduce costs and manage risks. Cat Product Link™ is standard equipment on all Cat Certified Rebuilds.

REBUILD YOUR MACHINE FOR A SECOND LIFE—FOR MAXIMUM VALUE.



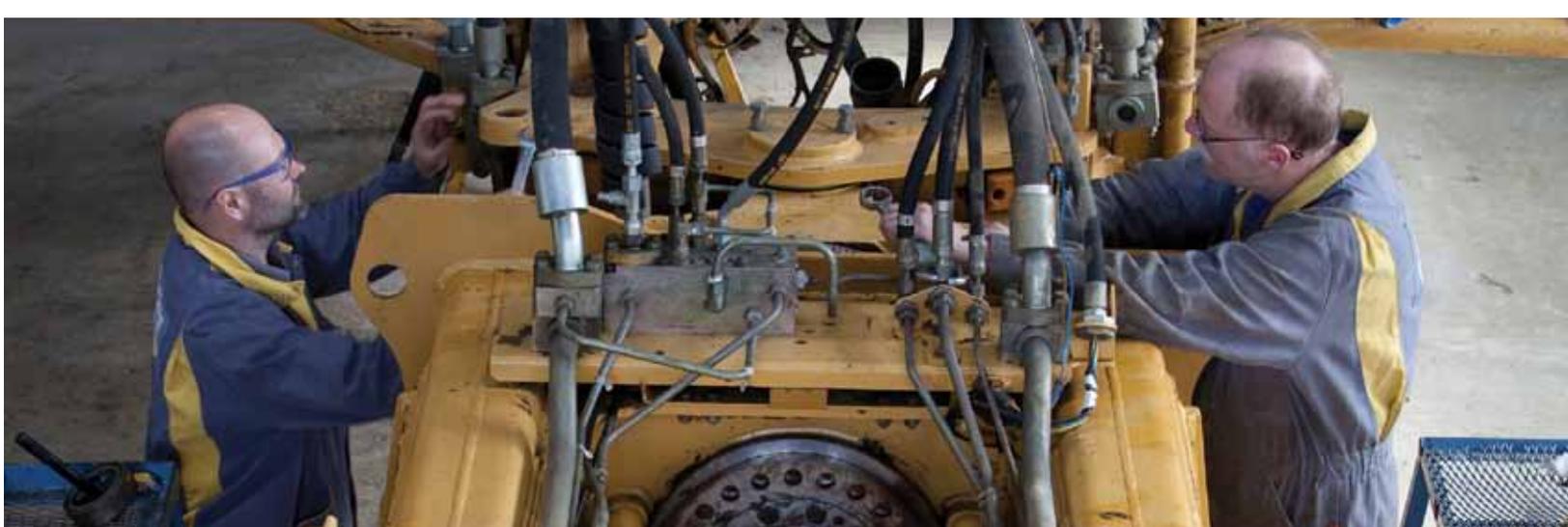
Certified Power Train Rebuild

The heart of any piece of equipment is the power train. A rebuilt power train can restore performance, increase machine availability and greatly extend its productive service life.

- Restores power train to like-new performance
- Covers radiator, engine, transmission, torque converter, final drive and axle
- All components disassembled. All critical engineering updates incorporated*
- Extended power train coverage available

*Your rebuilt power train will generate information you can use to boost productivity, reduce costs and manage risks. Cat Product Link is standard equipment on all Cat Certified Power Train Rebuilds.

**REBUILD YOUR POWER TRAIN
TO CAPTURE MORE VALUE
FROM YOUR INVESTMENT IN
CAT EQUIPMENT.**



Certified Engine Rebuild

Durability, dependability, performance: those are just some of the reasons people invest in Cat power. Now you can add another reason to the list: Cat engines can be rebuilt for a second life—at a fraction of the cost of an engine replacement.

- Covers members of the Cat 3300, 3400, 3500, 3600 and C-Series engine families
- Includes the latest required updates and optional performance enhancement upgrades

**REBUILD YOUR ENGINE
AND RECOVER THE
PERFORMANCE EDGE
OF YOUR ORIGINAL
INVESTMENT.**



Certified Hydraulics Rebuild/Certified Components Rebuild

You have options when it comes to renewing the performance of your equipment fleet—everything from a complete machine rebuild to a rebuild focused on your hydraulic and hydrostatic systems or on one or two components.

Hydraulic Rebuild

- Great choice when the rest of the machine is running strong
- Restores like-new performance, reliability and durability
- Avoids the cost and downtime associated with chasing problems through the system one repair at a time
- Restores pumps, motors, valves, accumulators, hoses, tubes, tanks, coolers and cylinders.

Components Rebuild

- Restores engine or transmission plus torque converter combination to like-new performance
- Assembled and tested to Cat cleanliness and performance specifications
- Includes critical engineering updates
- Extended coverage available

Talk to your local Cat dealer today about restoring the productivity of your fleet and maximizing fuel efficiency.

**COULD YOUR
OPERATION BENEFIT
FROM A FOCUSED
REBUILD PROGRAM?**



Cat Certified Rebuild and Certified Power Train programs available for these machines:



Track-Type Tractors

D6H, D6M, D6N, D6R, D7G, D7H, D7R, D8K, D8L, D8N, D8R, D8T, D9H, D9L, D9N, D9R, D9T, D10, D10N, D10R, D10T, D11N, D11R, D11T



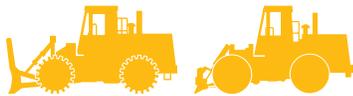
Track-Type Loaders

953, 953B, 953C, 963, 963C, 973, 977L



Wheel Loaders

938G, 950B, 950E, 950F, 950G, 962G, 966C, 966D, 966E, 966F, 966G, 970F, 972G, 980C, 980F, 980G, 988B, 988F, 988G, 988H, 990, 992B, 992C, 992D, 992G, 994, 994D



Compactors and Wheel Tractors

814B, 814F, 815, 815B, 815C, 816B, 816F, 824C, 824G, 824H, 825C, 825G, 826C, 826G, 826H, 834B, 834G, 834H, 836, 836G, 836H, 844H, 854G



Motor Graders

12G, 12H, 14G, 14H, 16G, 16H, 24H, 120G, 140G, 140H, 160H



Wheel Tractors Scrapers

615C, 621E, 621F, 621G, 623F, 627E, 627F, 631D, 631E, 633D, 637D, 637E, 637G, 657E



Off-Highway Trucks and Tractors

768C, 769C, 769D, 771C, 771D, 772B, 773B, 773D, 773E, 775B, 775D, 775E, 776, 776B, 777, 777B, 777C, 777D, 777F, 785B, 785C, 789B, 789C, 793B, 793C, 793D, 797



Cat Underground

AD30, AD45, AD55, R1300, R1300G, R1600, R1600G, R1700G, R2900, R2900G



Excavators

320, 330, 330B*, 345B, 365B, 375, 385B



Pipelayers

572G, 578, 583K, 589, 594H



Skidders

525B, 535B, 527, 545

Call your Cat dealer for more details. Models do not cover every product identification number.

Get Connected with Product Link

Cat Product Link is a remote monitoring and asset management technology solution that enables owners to oversee their entire fleet of equipment more efficiently and effectively. With Product Link, data reported from the equipment is transformed into the essential information required to boost productivity, reduce costs and manage risks.

Product Link will monitor information about the location, utilization, health of the equipment and more.*

*Product Link licensing not available in all countries. Please consult your Cat dealer for availability.

**REAL-TIME MONITORING
PREVENTIVE ACTION
MACHINE HEALTH**



Maximize the built-in value of your equipment

- Ensure maximum productivity
- Increase reliability and availability
- Ensure cost-effective performance
- Get like-new machine warranty and power train coverage
- Increase your return on your equipment investment
- Return your complete rebuild to like-new appearance
- Enjoy higher resale value



CAT DEALERS DEFINE WORLD-CLASS PRODUCT SUPPORT.

We offer you the right parts and service solutions, when and where you need them.

The Cat dealer network of highly trained experts can help you maximize your equipment investment.

