

TERRA**CAT**

REPAIR OPTIONS



Terra Cat's repair options are designed to provide you with the best solution for your business. Whatever your circumstances might be, we have a broad range of repair options to help you save time and money.

Repairing before failure is the key to maximising availability and uptime while minimising costs. Once a component fails, your choices become limited. Repairing before failure can reduce costs by two to three times the price of after-failure.

FOUR FACTORS TO CONSIDER WITH ENGINE REPAIR OPTIONS

1 OWNERSHIP

How long do you plan to own the machine?

2 UTILISATION

How much/often do you use the machine?

3 AFFORDABILITY

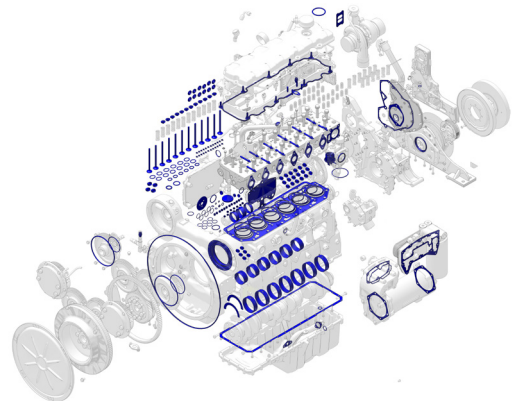
What is your expectation with regard to price?

4 TURNAROUND

How quickly does your machine need to get back to work?

BENEFITS OF ENGINE REPAIR OPTIONS

- Deliver on time and at a fixed price
- Extends life of engine by repairing before failure
- Reduce oil consumption and smoke
- Replaces parts designed to wear out the fastest, protecting other more expensive components
- Restores power
- Can be tailored to individual requirements



THE TERRA CAT ADVANTAGE

- 12 months warranty on parts and labour
- Repairs performed by Caterpillar certified technicians using Caterpillar tooling
- Dedicated Component Rebuild Centre
- Genuine Cat® parts
- Branches across New Zealand
- Finance options available from 0%
- Plan ahead and save when forecasting repairs

REPAIR OPTIONS

C6.4 ENGINE REPAIR OPTIONS AVAILABLE FOR:

☐ 320D Excavator



← REPAIR BEFORE FAILURE

RESET COMPONENT HOURS TO ZERO →

3 LEVELS OF REPAIR OPTIONS

LEVEL **1**

LEVEL **2**

LEVEL **3**

ENGINE REPAIR OPTIONS The below Repair Options can also be tailored to individual requirements.	LEVEL 1	LEVEL 2	LEVEL 3	
All gaskets & seals for components that are removed	Y	Y	Replace using a reman or new complete engine.	
Exhaust manifold studs/locknuts & exhaust sleeves	Y	Y		
Coolant temperature regulators	Y	Y		
Oil, air & fuel filters	Y	Y		
Replace engine breather	X	X		Complete engines come fully assembled and ready to install.
Idler fan and hub bearings	X	Y		
Connecting Rod Bearings	Y	Y		Critical engineering updates are included.
Camshaft bearings	N	Y		
Replace camshaft	N	X		Dyno tested prior to shipping.
Piston Rings	Y	Y		
Replace Piston	N	Y	All bolt on components are subject to inspection and may be reused or replaced.	
Cylinder Block Sleeves	N	Y		
*Recondition Oil Pump	N	Y		
*Replace water pump with Cat Reman	○	Y		
*Recondition Cylinder Head	Y	Y		
*Replace engine oil cooler with Cat Reman	○	Y		
*Replace turbocharger with Cat New	○	Y		
*Replace fuel injectors with Cat Reman	○	Y		
*Replace fuel pump/ fuel transfer pump with Cat Reman	N	Y		
Engine harness- Injector	X	Y		Talk to us about our Certified Machine Component Rebuild options.
Engine harness- Main	X	X		
Replace serpentine belt	X	Y	24M/4000Hr EPP provided complimentary with all Certified rebuilds.	
Dyno test engine	N	○		

Y included ○ optional X inspect and replace if required N not included

* Cat Reman parts will be used where available, if Reman part is not available the part will be replaced with new or reconditioned. Reman parts are based on the exchange core being supplied to Terra in a condition that meets the full core refund criteria as outlined in the Caterpillar Core Acceptance Criteria (Typical criteria include: must be fully assembled and complete, not cracked or broken, free of excessive rust or pitting, free of fire damage, and must be an acceptable Cat part number). Non-return or cores returned in a condition that do not meet the full refund criteria will result in either a partial refund or no refund being applied to that component. All parts subject to availability. EPP (equipment protection plan) extended warranty only available with certified rebuilt components.

POWER ON THE GROUND

