



CAT UNDERCARRIAGE

CAT UNDERCARRIAGE AND MANTRAC MAINTENANCE MAXIMISE YOUR EQUIPMENT LIFE

Your undercarriage represents 50% of the total maintenance cost of your machine. Cat custom-designs undercarriage for the highest value and lower maintenance costs, and Mantrac's Custom Track Service (CTS) inspections maximise your productivity.



Total quality control



Perfect match with equipment



Replace one part, not the system



Easy to remove individual components

UNDERCARRIAGE WEAR FACTORS

The type of job, terrain and materials the machine is working in can affect the rate of wear on different undercarriage components. Caterpillar is the only OEM that designs and builds our own undercarriage for a machine-specific product match.

USAGE	ROLLERS	IDLERS	SPROCKETS	BUSHINGS	LINKS	GROUSERS
<i>APPLICATION</i>						
Dozing and push loading	X	X				
Ripping and drawbar	X	X	X			
Loading	X					
Excavating	<i>ALL COMPONENTS WEAR FROM THE SIDE OF DIGGING</i>					
<i>TERRAIN</i>						
Working uphill	X		X	X		
Working downhill	X	X				
Working on a side hill	<i>ALL COMPONENTS WEAR FROM THE UPPER SIDE OF THE HILL</i>					
Working on a crown	X	X			X	X
Working in a depression	X	X			X	X

MANTRAC HAS UNDERCARRIAGE OPTIONS TO MEET YOUR NEEDS



	Man			Material				Machine			
	Purchase	Ownership	O&O costs	Machine	Abrasion	Impact	Moisture	Packing	Machine	Shoe	Grading
<p>GENERAL DUTY (D6N, D614/R/T, D794R, D804/R/T)</p> <p>Designed for low- to moderate-impact applications, for a lower initial budget at higher quality than non-Cat</p> <ul style="list-style-type: none"> • Low- to moderate impact applications • Standard quality of parts, yet superior to non-Cat products 	BEST	BETTER	BETTER	BETTER	BETTER	BETTER	BETTER	BETTER	BETTER	BETTER	BETTER
<p>HEAVY DUTY (D6N, D6T, D714R)</p> <p>Designed for high impact applications, resulting in a lower overall cost per hour</p> <ul style="list-style-type: none"> • Moderate-to-high impact applications • Industry-leading quality of parts • Premium installation 	BETTER	BETTER	BETTER	BETTER	BETTER	BEST	BETTER	BEST	BEST	BETTER	

CAT UNDERCARRIAGE: GENERAL DUTY

When price is a factor, consider the General Duty range, built by Cat. This value product fits a smaller budget at much higher quality than non-Cat products.

- Best in situations where the full value of a heavy duty undercarriage will not be realised
- Backed by a century of technological innovation
- Interchangeable with Heavy Duty track parts

3,000 hours or 100% wear

Undercarriage Assurance: General Duty

General Duty parts are covered for leakage and breakage for four years, 3,000 hours, or 100% wear, whichever comes first. General Duty coverage is for the following types of failures:

- Leaks and/or breakage of new link assemblies, rollers and idlers
- Breakage or track shoes, sprockets, and segments

Track Skidders, Track Feller Bunchers and Nexus™ brands are not included.. When component replacement is more economical, Mantrac will cover the prorated cost of parts, based on the percentage of wear on the replaced component.

CAT UNDERCARRIAGE: HEAVY DUTY

Our Heavy Duty solution offers 20 to 40% greater wear life and features links that have been designed to optimise crack resistance.

- Larger diameter bushing, track roller, and sprocket segments for maximum link assembly durability
- Link wear surface designed to eliminate vibration
- Interchangeable with General Duty track parts

4,000 hours or 100% wear

Undercarriage Assurance: Heavy Duty

The program coverage is 4 years, 4,000 hours, or until the assembly is 100% worn, whichever comes first. Genuine coverage is for the following types of failures:

- Oil leaks and breakage on new link assemblies, roller, and idlers
- Oils leaks on dealer rebuilt exchange rollers and rewelded/reshelled idlers
- Breakage, under normal use, of new track shoes and sprockets/sprocket segments
- Bushings with end grooving exceeding Cat re-use guidelines at turn time
- Severe heavy spalling that covers 30% or more of a link rail surface

Track Skidders, Track Feller Bunchers and Nexus™ brands are not included.

When component replacement is more economical, Mantrac will cover the prorated cost of parts, based on the percentage of wear on the replaced component.



REDUCE MAINTENANCE COSTS BY HALF WITH CTS

Mantrac's Custom Track Service (CTS):
a comprehensive program to manage your undercarriage by monitoring, measuring performance and predicting wear rates.

- Performed on your job site to reduce operating costs
- Uses advanced diagnostic equipment such as Ultrasonic Wear Indicators
- Schedule service based on your equipment planning needs
- Make informed decisions: evaluate options and plan maintenance
- Manage your components with our free CTS Pro app

It takes more than parts to achieve the lowest cost per hour for your business. Mantrac has:

900+

CTS inspections conducted last year

4,000

CTS inspections in the last 5 years

280

Uncovered red alerts, saving downtime, inventory cost, money

CAT UNDERCARRIAGE: A CASE STUDY

Mantrac has conducted extensive trials to determine real-life worksite outcomes, comparing the lifespan of Cat versus Berco undercarriage components on a Cat D9 Dozer.

The outcome: Cat original undercarriage and Mantrac CTS inspections helps you manage your undercarriage, drastically reduce costs and maximise productivity.



vs



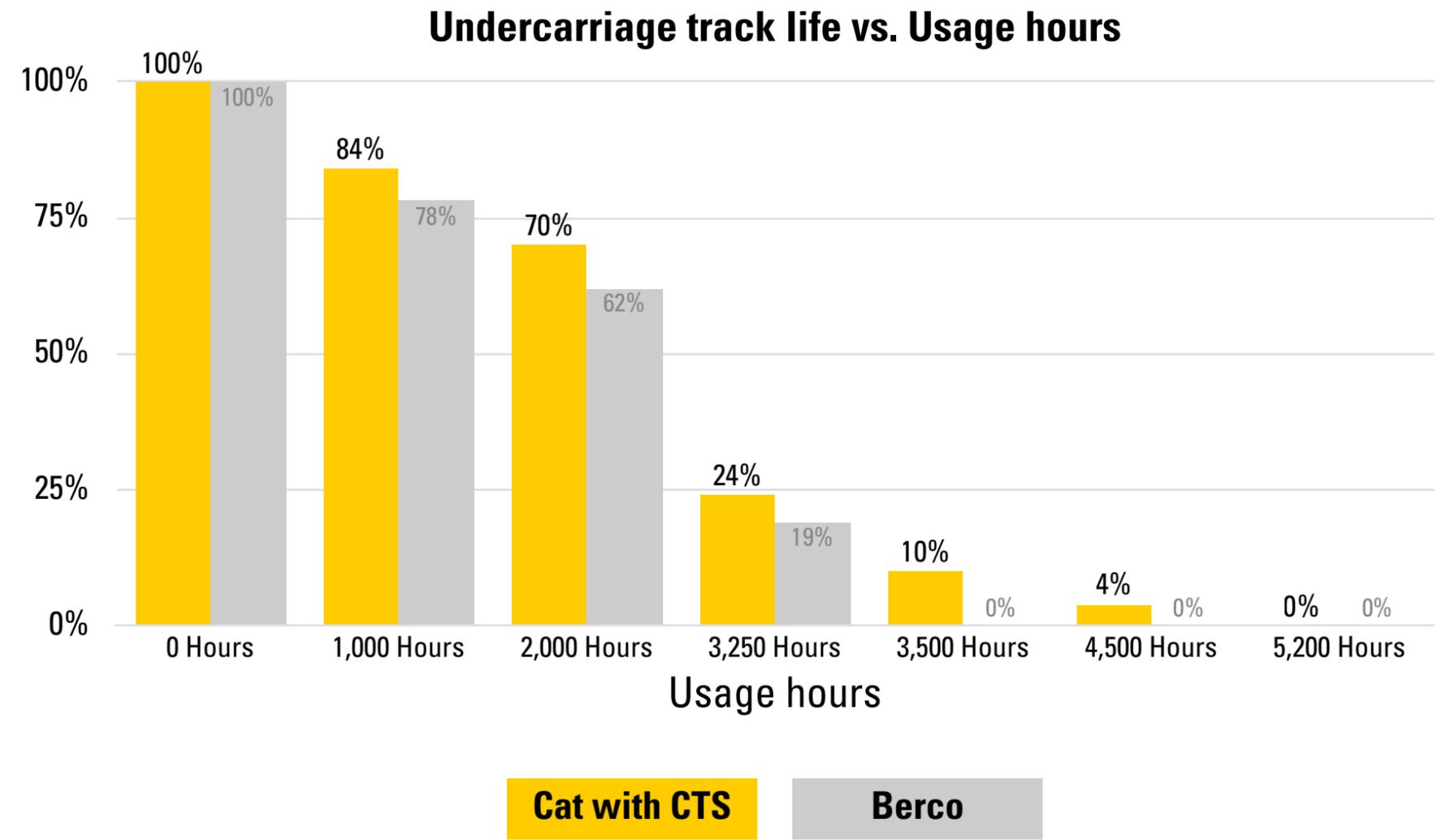
CAT UNDERCARRIAGE: A CASE STUDY

Cat lasts longer, and CTS helps manage your undercarriage

Two trials were conducted on D9 units working in a major infrastructure earthworks project. Five CTS readings were taken per unit during the trial period.

Our trials show that you can expect:

- Higher wear resistance with Cat undercarriage
- More than 1,600 extra hours of life: 48% better than Berco
- CTS and recommended repair extend track life up to 9,000 hours.



CAT UNDERCARRIAGE: A CASE STUDY

Cat undercarriage lowers your cost of ownership

Our trials show clear cost implications. Despite initial cost, Cat Heavy Duty undercarriage offers the best value for money:

- Up to 9% savings for every operating hour
- Lowest overall cost per hour: \$3.02/hour
- Reduced downtime with smaller services and solutions such as service exchange
- Guaranteed minimum operating hours with our undercarriage assurance program

